

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 7th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	6th Aug. 1919	6 A.M.	18.67'	101.83'	120.50'	0.40'	...	127.20'	113.90'	
	6th " "	6 "	21.20'	56.319'	77.519'	0.05'	...	84.16'	72.96'	
	6th " "	8 hours	21.10'	...	...	...	0.40'	23.70'	21.30'	
Brahmaputra	6th " "	8 A.M.	18.00'	148.76'	166.76'	...	0.30'	176.06'	173.26'	
	6th " "	12 hours	36.70'	...	...	...	0.50'	...	...
	6th " "	8 A.M.	15.00'	...	...	0.30'	...	...	...
Meghna	6th " "	6 hours	16.50'	1.61'	13.11'	...	0.25'	...	...
	6th " "	13 "	11.50'	1.61'	13.11'	0.58'	...	...	...
	6th " "	7 A.M.	23.40'	...	...	...	0.15'	...	...
Dhaleswari	6th " "	7 "	27.70'	- 8.62'	19.08'	...	0.40'	...	...
Bhagirathi	6th " "	6 "	19.87'	1.509'	21.379'	...	0.61'	28.81'	13.42'	
Damodar	6th " "	6 "	9.00'	92.58'	101.58'	...	1.08'	...	...
Lakhya	6th " "	...	21.42'	- 5.59'	15.83'	0.05'	...	...	...
Madaripur Bil Route	6th " "	6 A.M.	12.80'	- 0.599'	12.201'	...	0.30'	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 7th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE AS—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	7th Aug. 1919	6 A.M. ...	18.97'	101.83'	120.80'	0.30'	...	127.30'	115.00'
	... { Rajmahal ...	7th "	6 "	21.25'	56.319'	77.569'	0.05'	...	84.71'	73.61'
	... { Goalundo ...	7th "	8 hours	21.40'	...	...	0.30'	...	23.70'	21.30'
Brahmaputra	... { Gauhati ...	7th "	8 A.M. ...	17.80'	148.76'	166.56'	...	0.20'	175.86'	173.56'
	... { Serajganj ...	7th "	12 hours	36.40'	..	...	...	0.30'	...	...
	... { Dibrugarh ...	7th "	8 A.M. ...	14.80'	...	...	...	0.20'	...	...
Meghna	... { Bhairab Bazar ...	7th "	6 hours	16.33'	1.61'	17.94'	...	0.17'	...	...
	... { Chandpur ...	7th "	14 "	11.58'	1.61'	13.19'	0.08'	...	...	...
	... { Fenchuganj ...	7th "	7 A.M. ...	23.30'	...	...	0.10'	...	...	...
Dhaleswari	... Sabhar ...	7th "	7 "	27.20'	- 8.62'	18.58'	...	0.50'	...	...
Bhagirathi	... Swarupganj ...	7th "	6 "	19.51'	1.509'	21.019'	...	0.36'	28.93'	13.74'
Damodar	... Edilpur ...	7th "	6 "	9.75'	92.58'	102.33'	0.75'	...	...	...
Lakhya	... Narayanganj...	7th "	...	21.42'	- 5.59'	15.83'	Steady	...	...	...
Madaripur Bil Route	... Takerhat ...	7th "	6 A.M. ...	12.80'	- 0.599'	12.201'	Steady	...	...	...

IRRIGATION DEPARTMENT, BENGAL.
IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1919-20.
Area leased for irrigation up to end of June 1919.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	DETAILS OF AREAS LEASED.						RAINFALL, 1919-20.		RAINFALL, 1918-19.				
								Long-term leases.	SEASON IMAGES.				Grand Total.	During month.	Up to end of month.	During month.	Up to end of month.			
									Kharif.	Rabi.	Sugarcane.	Hot-weather.						Total.		
SOUTH-WESTERN	{	Midnapore ...	...	1,411	306	297	9,779	23,263	Acres. 62,506	4,411	...	...	...	4,411	66,917	12.05	22.43	18.96	Inches.	23.70
		Panchkura ...	...	522	3	2	...	...	6,715	...	...	...	...	...	6,715	11.73	21.88	8.19	Inches.	22.29
		Tidal Reaches, Ranges I and II.	...	...	...	...	...	...	...	...	...	...	...	...	...	12.75	22.76	9.26	Inches.	28.55
	Howrah ...	Total Midnapore Canal	...	...	...	9,779	23,263	69,221	4,411	...	...	...	4,411	73,632	...	...	...	Inches.	...	
		Total of the corresponding period of last year.	...	...	...	...	...	70,916	212	...	...	...	212	71,128	...	...	...	Inches.	...	
{	Burdwan and Hooghly	Eden canal ...	...	1,000	53	1	44	12	13,987	...	30	14	...	44	14,031	9.32	17.40	18.14	Inches.	27.91
		Total of the corresponding period of last year.	...	...	...	...	...	...	15,196	...	...	12	...	12	15,208	...	...	...	Inches.	...
		GRAND TOTAL	...	...	...	9,823	23,275	83,208	4,411	30	14	...	4,455	87,663	...	...	...	Inches.	...	
		GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR.	...	...	...	...	...	86,112	212	...	12	...	224	86,336	...	...	...	Inches.	...	

CALCUTTA,
The 12th August 1919.

G. J. ST. O. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 9th August 1919, as compared with the corresponding week of the previous year.

Nature of Cargo.	WEEK ENDING SATURDAY, THE 9TH AUGUST 1919.			WEEK ENDING SATURDAY, THE 10TH AUGUST 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	257	24,327	411	464	53,345	919
Jute ...	53	21,640*	224	38	16,722†	183
Firewood ...	57	42,875	663	165	64,675	1,067
Other articles ...	524	168,755	1,595	647	162,586	1,780
Total ...	891	257,597	2,893	1,314	297,328	3,949
Empty boats and rafts ...	521	...	1,254	420	...	1,249
GRAND TOTAL	1,412	257,597	4,147	1,734	297,328	5,198

Mds.
* Weight by canal measurement ... 22,962½
† Ditto ditto ... 18,962½

CALCUTTA.
The 12th August 1919.

G. J. ST. C. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

Statement showing the gauge-readings at Dacca Water-works Station on the river Burliganga for the week ending the 2nd August 1919.

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 6 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
27th July	66.1	...	...	...	...	66.15	Rising.
28th "	66.25	...	...	...	...	66.3	Do.
29th "	66.45	...	...	...	...	66.5	Do.
30th "	66.5	...	...	...	...	66.5	Do.
31st "	66.5	...	...	...	...	66.55	Do.
1st Aug.	66.6	...	...	...	...	66.65	Do.
2nd "	66.8	...	...	...	...	66.8	Do.

Notable high and low water-levels of previous years.

27th August	1905	70.5	Taken at high tide.
5th September	1909	...	...	...	67.86
10th August	1910	...	...	...	69.86
1st "	1911	...	...	...	68.46
13th "	1912	...	...	...	67.16
31st "	1915	...	...	...	69.7
18th "	1916	...	...	...	68.1
12th "	1917	...	...	...	67.1
31st "	1918	...	...	...	69.12
23rd February	1907	51.06	Taken at low tide.
13th "	1908	...	...	...	51.06
12th March	1912	...	...	...	51.06
6th "	1914	...	...	...	50.60
22nd February	1915	...	...	...	50.30
16th "	1916	...	...	...	50.60
3rd March	1917	...	...	...	51.0
21st February	1918	...	...	...	51.40

DACCA.
The 4th August 1919.

W. J. KERR,
Executive Engr., Dacca Division.

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalla for the week ending the 2nd August 1919.

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
27th July	8 A.M.	Zero of gauge is at mean sea-level.	57.50	54.21	B. M. on College step corrected (P. W. D.) 64.93.
28th "	8 "		57.45	54.16	
29th "	8 "		57.45	53.91	
30th "	8 "		57.30	53.81	
31st "	8 "		57.00	53.61	
1st August	8 "		56.80	53.41	
2nd "	8 "		56.40	53.31	

(a) Datum corrected by adding 1.51 to the value of zero, vide Superintending Engineer's No. 2876, dated 8-33-17, 10th May 1910, and Bengal Government, Public Works Department, Irrigation Branch, Resolution No. 4521, dated 17th February 1919.

	Old value.	According to P. W. D. datum (a)
The previous year ... Highest water-level ...	66.52 on 30th August 1918.	61.71
Ditto ... Lowest " ...	41.70 on 21st April 1918.	36.89
Record ... Highest " ...	69.25 on 26th August 1879.	64.44
Do. ... Ditto " ...	69.08 on 9th September 1885.	64.27
Do. ... Ditto " ...	68.30 on 25th August 1906.	63.47
Do. ... Ditto " ...	68.21 on 26th August 1890.	63.40
Do. ... Lowest " ...	37.63 on 25th April 1884.	32.82
Do. ... Ditto " ...	38.13 on 14th—15th April 1883.	33.92
Do. ... Ditto " ...	39.02 on 21st—22nd April 1897.	34.21
Do. ... Ditto " ...	39.28 on 6th—7th May 1908.	34.47

N. B.—The gauge-readings commenced from the 1st August 1887.

BOALIA,
The 2nd August 1919.

S. C. BHATTACHARJI,
for Executive Engineer, Rajshahi Divn.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 2nd August 1919.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
27th July	7 A.M.	23.2	23.2	22.8	Zero is placed at mean sea-level. The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpore ghât. Its reduced level is 22.41.
28th "	7 "	23.1	23.1	22.7	
29th "	7 "	23.0	23.0	22.8	
30th "	7 "	23.0	23.0	22.9	
31st "	7 "	23.1	23.1	22.6	
1st August	7 "	23.2	23.2	22.3	
2nd "	7 "	23.1	23.1	22.0	

The previous year ... Highest water-level ...	25.2 on 1st September 1918.	
Ditto ... Lowest " ...	5.3 on 9th March 1918.	
Record (H.F. in Brahmaputra and Ganges) ... Highest " ...	25.75 on 28th August 1906.	
Record (average flood in Brahmaputra and Ganges) ... Ditto " ...	25.74 on 20th and 21st August 1893.	
Record (H.F. in Brahmaputra and Ganges) ... Ditto " ...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.	
Record (H.F. in Brahmaputra only) ... Ditto " ...	25.66 on 31st July 1900.	
Do. ... Lowest " ...	1.0 on 8th February 1914.	
Do. ... Ditto " ...	2.42 on 13th March 1908.	
Do. ... Ditto " ...	2.91 on 21st to 24th February and 8th to 9th March 1884.	
Do. ... Ditto " ...	3.16 on 9th to 11th March 1885.	
Do. ... Ditto " ...	3.16 on 15th, 17th and 29th to 31st March 1901.	

N. B.—The gauge-readings commenced from 3rd October 1909.

FARIDPUR,
The 2nd August 1919.

R. K. GHOSE,
for Subdivisional Officer, P. W. D., Faridpur.



The Calcutta Gazette

WEDNESDAY, AUGUST 20, 1919.

SUPPLEMENT.

OFFICIAL PAPERS.

[Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]

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REPORT ON FAMINE IN THE DISTRICT OF BANKURA FOR THE WEEK ENDING THE 9TH AUGUST 1919.

THE rainfall during the week was general and sufficient. Transplantation on high land has been nearly completed. The distress is decreasing owing to improvement of agricultural prospects. Fifty-four relief works were open during the week and the number of persons relieved on them was 4,001. The total number of persons on gratuitous relief was 19,505, viz., 14,357 on cash doles in 128 unions, 3,683 on paddy-husking advances, 885 weavers and 580 better class poor. The grand total of persons relieved was 23,506. The number of persons relieved on private works was 875. The charitable societies also relieved 765 persons on weekly rice doles and 1,150 on doles of cooked food. Crime against property continues to be high. The physical condition of persons on relief works and the public health was generally good. Sporadic cases of cholera and malaria are reported. Cloth is being distributed to destitutes. The relief measures are adequate. The price of common rice varied from 5½ to 5¾ seers per rupee. Burma rice is being sold.

M. C. McALPIN,

Secy. to the Govt. of Bengal.

Dacca, the 14th August 1919.

**CONSTITUTION OF A PERMANENT COMMITTEE UNDER
RULE 3 OF THE RULES ISSUED UNDER THE MUHAM-
MADAN MARRIAGE REGISTRATION ACT, I OF 1876.**

GOVERNMENT OF BENGAL.

REVENUE DEPARTMENT.

Registration Branch.

DACCA, THE 11TH AUGUST 1919.

RESOLUTION—No. 1072T. R.

READ—

Resolution No. 1660T. R., dated the 2nd October 1915, sanctioning the constitution of a permanent committee for the supervision of Muhammadan Registrars and Kazis in the Bengal Presidency.

Read also—

Rule 3 of the Rules under the Bengal Muhammadan Marriages and Divorces Registration Act, I of 1876, published with Government notification No. 4000-Regn., dated the 30th April 1918.

As the term of the permanent committee appointed under the Government Resolution quoted in the preamble has expired, the Governor in Council directs the constitution of a new permanent committee for the Bengal Presidency, which will be composed of the gentlemen named below :—

- (1) Inspector-General of Registration, *President (ex-officio)*.
- (2) Mirza Saiyid Muhammad Kazem Shiraji.
- (3) Shamsul Ulama Hedayet Hossain.
- (4) Mr. S. Mahboob Ali.
- (5) The Hon'ble Maulvi A. K. Fazlul Haq.
- (6) The Hon'ble Dr. A. Suhrawardy.
- (7) Nawab A. F. M. Abdur Rahman, Khan Bahadur.

ORDER—Ordered that this Resolution be published in the *Calcutta Gazette*.

Ordered also that copies of the Resolution be forwarded to the Inspector General of Registration and to all District Registrars for information.

By order of the Governor in Council,

M. C. McALPIN,

Secy. to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORTS OF THE VETERINARY COLLEGE AND OF THE CIVIL VETERINARY DEPARTMENT, BENGAL, FOR THE YEAR 1918-19.

GOVERNMENT OF BENGAL.

REVENUE DEPARTMENT.

Agriculture Branch.

RAMNA (Dacca), THE 16TH AUGUST 1919.

RESOLUTION—No. 1133T.R.

READ—

The Annual Reports of the Veterinary College and of the Civil Veterinary Department, Bengal, for the year 1918-19.

COLONEL A. SMITH, Principal, Bengal Veterinary College, continued to hold charge of the College as well as of the office of Superintendent, Civil Veterinary Department, throughout the year, Mr. P. J. Kerr and Mr. A. D. MacGregor being still absent on military duty. As in the previous year, all touring and inspection work of the department was performed by Babu Sarat Chandra Pal, Deputy Superintendent, who was on tour for 73 days, and inspected most of the important hospitals and dispensaries of the province. One veterinary assistant of the department returned from field service at the conclusion of the term of his agreement for two years, while seven others were on military duty.

2. The number of students at the Bengal Veterinary College at the end of the session was 165, of which number 63 belonged to Bengal, while most of the others came from Bihar and Assam. There has been a steady increase in the number of students, the figures for the previous three years being 135, 148 and 157; of these numbers 51, 54 and 55 respectively belonged to Bengal. Thirty-three students graduated from the College at the close of the session. Nine graduates belonged to Bengal and have subsequently been employed as veterinary assistants; but there is still a demand for qualified assistants. To improve their prospects their pay has been raised from Rs. $30\frac{10}{3}$ —70 per mensem to Rs. $50\frac{10}{3}$ —100 per mensem. The Governor in Council trusts that the improved prospects will attract a large number and a better class of students to the Bengal Veterinary College and thereby improve the efficiency of the department.

3. The report of the Civil Veterinary Department shows a considerable decrease in the mortality of animals from contagious diseases during the year, the total number of deaths reported being 15,569 as against 26,486 in the previous year. The most striking decrease was under the head rinderpest, the number of deaths being 10,772 as compared with 21,126 in the previous year. The decrease is reported to be due to the proper organisation of inoculation campaigns by the Veterinary Department in the affected localities. The death-rate from anthrax was, however, heavier this year than last year, owing to a particularly severe outbreak in the Sundarbans of the 24-Parganas. It is reported that, owing to the nature of this malady, its sudden onset and rapidly fatal termination, only in a few cases were veterinary assistants able to reach the seat of trouble in time to be of any assistance.

There were virulent outbreaks of rinderpest during the year all over Calcutta and its suburbs. Prompt measures were taken in each outbreak to prevent its spread and inoculation was performed in 4,984 cases.

4. During the year under report the itinerant veterinary assistants visited 13,462 villages and treated 58,025 animals, compared with 11,520 villages and 67,333 animals in the previous year.

5. In Calcutta and its suburbs all the stables were regularly inspected. Glanders and farcy were detected in 13 and surra in four stables, against two and three respectively in the previous year. In the mufassal 17 deaths from glanders were reported as against 27 in the previous year. The mortality was the highest in the district of Bakarganj, where 13 cases occurred.

6. The number of stud bulls kept by Government and local bodies increased from 68 in the previous year to 104 in the year under review. Only 44 of these are the property of local bodies.

7. Four new dispensaries were recognised at Siliguri, Bankura, Satkhira and Chuadanga during the year, thus bringing the total number of such institutions to 31 as against 27 in the preceding year. The number of patients treated during the year was 43,312 as against 34,889 in the previous year. The Superintendent reports that the increase in the number of cases shows that the usefulness of these institutions is being fully appreciated by the public. The Governor in Council notices with satisfaction that arrangements are being made by the District Boards of Noakhali, Tippera and Bakarganj for the construction of veterinary dispensaries with quarters for veterinary assistants at Feni, Brahmanbaria and Patuakhali, respectively. No provision has, however, yet been made by the District Board of Murshidabad, Rajshahi, Jessore or Midnapore for such buildings. His Excellency in Council trusts that this omission will soon be remedied and that efforts will also be made by District Boards generally to bring the numbers of veterinary assistants in their district up to the sanctioned strength as soon as they can be supplied from the College by the Principal.

8. Though the report is evidence of the fact that much good work is being done by the department, the Governor in Council considers that, in order to popularise the work of the veterinary assistants and to extend their sphere of utility, each District Board should appoint a sub-committee consisting of two or three members to deal with the veterinary work of the Board.

9. The work of the Deputy Superintendent, Civil Veterinary Department, inspectors and of the staff of the Bengal Veterinary College was satisfactory. His Excellency in Council has much pleasure in acknowledging the valuable services of Colonel Smith and his zeal for the welfare of both the college and the department.

By order of the Governor in Council,

M. C. McALPIN,

Secy. to the Govt. of Bengal.

REPORTS ON THE WORKING OF THE SHIPPING OFFICES IN BENGAL FOR THE YEAR 1918-19.

NOTIFICATION.

The 13th August 1919.

No. 102 Marine.—The following annual reports on the working of the shipping offices in Bengal for the year 1918-19 are published for general information.

F. A. A. COWLEY,
Secy. to the Govt. of Bengal.

No. S.-1926, dated Calcutta, the 23rd July 1919.

From—The Shipping Master, Calcutta.

To—The Secretary to the Govt. of Bengal, Marine Department.

I HAVE the honour to submit herewith for the information of Government the Annual Report of the Calcutta Shipping Office for the year 1918-19.

A comparative statement of the number of seamen shipped and discharged under European and Indian articles for the years 1917-18 and 1918-19 is given below, from which it will be observed that the number of seamen shipped and discharged under European articles shows a little decrease, but a considerable increase is shown under the Indian articles. Further details as per Appendix I.

Shipped.

Articles.		1917-18.	1918-19.	Increase.	Decrease.
European	...	954	936	...	18
Indian	...	34,021	35,403	1,382	...
Total	...	34,975	36,339	1,382	18

Discharged.

Articles.		1917-18.	1918-19.	Increase.	Decrease.
European	...	1,499	1,746	247	...
Indian	...	23,730	25,439	1,709	...
Total	...	25,229	27,185	1,956	...

There were 66 Eurasians shipped on European and 193 on Indian articles during the year, as compared with 40 and 277 in the previous year.

Number of Chinese seamen shipped and discharged under Chinese articles during the present year is given below:—

Year.		Shipped.	Discharged.
1918-19	...	775	103

The figures below represent the number of seamen of various nationalities shipped and discharged at the consulates, details of which are shown in Appendix II.

These figures are not included in Appendix I.

Nationalities.	Shipped.	Discharged.	Nationalities.	Shipped.	Discharged.
Americans	4	...	Japanese	2	...
British	3	...	Norwegian	14	13
Chinese	51	18	Portuguese	1	...
Danish	9	5	Russians	3	1
Arabs	1	4	Spaniards	2	...
Egyptians	1	...	Swedish	30	19
Greeks	2	...			
Indians	1	9	Total	124	69

The number of seamen on European articles who deserted their vessels and failed to join was 11 and the numbers on Indian articles 393. The majority were replaced by substitutes.

Repatriation of distressed seamen.—The total number of seamen repatriated during the year was 84 of whom 54 were repatriated owing to illness, 14 on termination of agreement, one on account of injury, 10 under mutual consent, and 5 on account of venereal disease.

Relief to seamen.—The work-house afforded relief to 6 seamen at a cost of Rs. 253-8; of these one was sent to Lunatic Asylum at Ranchi, 3 absconded, one obtained employment, and one is still in that institution.

Twenty-five destitute seamen were admitted into the Sailors' Home during the year, and a loss of Rs. 253 was sustained owing to seamen being unable to pay their board; 15 seamen were relieved in the Alms House by the District Charitable Society at a cost of Rs. 1,486-8. Rupees 1,61,530 was paid to the crews of enemy vessels on account of balance of wages during the year, of which Rs. 29,742 was debited against the Board of Trade.

Compensation to Seamen of Sunken Vessels.—Rupees 1,860 was paid by the Government of Bengal for loss of effects to the surviving members of the crews of vessels sunk by enemy action and Rs. 5,124 by the Indian Relief Fund through this office as further compensation to the crews.

Relief granted to the dependants of interned seamen.—The amount of relief given to the dependants of seamen interned in Germany by the Indian Relief Fund through this office amounted to Rs. 4,440.

Administration of Trust Fund.—Appendix III shows the transactions during the year of funds held in trust under different heads.

Stamped papers to the value of Rs. 97-6 were used on account of security in disposing of the estates of deceased Indian seamen.

The balance of accumulated funds at the commencement of the year was Rs. 52,024 and the receipts during the year Rs. 1,68,424.

The payment from the funds amounted to Rs. 1,12,080, and Rs. 3,298 lapsed to Government, leaving a balance of Rs. 1,05,070 in deposit at the close of the year.

Transaction with Board of Trade.—Rupees 1,11,873 represents the transactions with the Board of Trade. The sum of Rs. 29,742 paid on account balance of wages to seamen of enemy vessels and Rs. 43,835 paid to seamen under the Board of Trade scheme for loss of their effects through enemy action are included in the total transaction with the Board of Trade.

European Seamen's Money Orders.—A sum of £ 366 was remitted by seamen to their relatives in the United Kingdom, as compared with £ 56 of the previous year.

Financial results.—The figures below give the financial result of the office for the last five years :—

Year.	Receipts.	Disbursements.	Savings.
	Rs.	Rs.	Rs.
1914-15	1,04,854	61,599	43,345
1915-16	94,319	57,669	36,650
1916-17	94,074	69,238	24,736
1917-18	76,929	58,855	18,074
1918-19	86,356	60,250	26,106

A comparison in the savings of the present and the previous year shows an increase of Rs. 8,032 due to more fees and other receipts received during the year.

Expenditure.—Appendix IV details particulars of the receipts and expenditure of the year.

Administrative changes.—The following changes have taken place :—

Mr. C. S. Cameron has been acting as Assistant Shipping Master, Kidderpore, in place of Mr. C. H. Sharp who is still on leave and is in charge of the Discharge Certificate Department. The shipping and discharging work of the Branch Shipping Office has been done under the supervision of Mr. S. H. Reaks, M.B.E., who held the post of the Assistant Port Officer and Deputy Shipping Master throughout the year in addition to his own duties.

Captain D. F. Vines, O.B.E., R.I.M., was Shipping Master throughout the year under report.

APPENDIX No. I.

Showing the number of seamen of all nationalities who were shipped and discharged under European and Indian articles of agreement during the year ending 31st March 1919.

Nationalities.	SHIPPED.			Total.	DISCHARGED.			Total.
	European Articles.	Head Office, Indian Articles.	Branch Office, Indian Articles.		European Articles.	Head Office, Indian Articles.	Branch Office, Indian Articles.	
British ...	276	407	15	698	911	389	...	700
French ...	...	...	...	...	...	...	...	...
Italians ...	...	...	...	...	1	...	...	1
Danish ...	2	...	...	2	2	...	...	2
Russians ...	11	...	...	11	9	...	...	9
Swedes ...	12	...	...	12	3	...	...	3
Germans ...	...	...	...	...	...	...	...	...
Austrians ...	...	...	...	...	...	...	...	...
Belgians ...	2	...	...	2	...	...	...	...
Greeks ...	2	...	...	2	2	...	...	2
Portuguese (Goanese).	1	430	193	624	1	425	33	459
Norwegians ...	6	...	...	6	8	...	...	8
Spaniards ...	3	...	...	3	1	...	...	1
Americans ...	8	...	...	8	9	...	...	9
Dutch ...	3	...	...	3	7	...	...	7
Australians ...	190	31	...	221	51	22	...	73
Malays ...	15	...	98	113	21	...	3	24
Turks ...	...	...	...	...	...	...	...	...
Chinese ...	292	988	93	1,373	1,216	363	19	1,598
Africans ...	...	...	...	...	4	...	4	8
Manillamen ...	1	...	...	1	...	...	...	...
Arabs ...	9	...	4	13	10	13	8	31
Maltese ...	...	...	...	...	1	...	...	1
West Indians ...	1	...	2	3	4	...	4	8
Eurasians ...	66	166	27	259	48	282	...	330
Indians ...	10	16,085	16,835	32,930	14	11,874	11,987	23,875
Cingalese ...	...	...	6	6	...	1	6	7
Mauritius ...	1	12	11	24	...	6	...	6
Japanese ...	24	...	...	24	22	...	...	22
Mexicans ...	1	...	...	1	1	...	...	1
Total ...	936	18,153	17,284	36,339	1,746	13,375	12,064	27,185

APPENDIX No. II.

Showing the number of Seamen of all nationalities Shipped and discharged through different Consuls during the year 1918-19.

SHIPPED.

Different Consuls.	American.	British.	Swedish.	Greek.	Japanese.	Egyptian.	Norwegian.	Danish.	Spanish.	Russian.	Chinese.	Portuguese.	Arab.	Indian.	Total number of seamen shipped.
Greece	2	2	1	...	...	...	...	...	...	...	...	5
U. S. of America	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Japan
Belgian
Netherlands
Sweden	...	2	15	...	...	...	...	...	...	...	...	...	1	...	18
Norway	...	1	13	...	...	...	14	4	2	1	47	...	...	...	82
France
Italy	1	1
Spain
Denmark	2	...	...	...	...	5	...	2	4	1	...	...	14
Portugal
Total	4	3	30	2	2	1	14	9	2	3	51	1	1	1	124

DISCHARGED.

Different Consuls.	American.	British.	Swedish.	Norwegian.	Danish.	Spanish.	Russian.	Chinese.	Arab.	Indian.	Total number of seamen discharged.
Greece	4	...	4
U. S. of America	9	9
Japan
Belgian
Netherlands
Sweden	11	...	...	...	...	...	...	...	11
Norway	6	13	2	...	...	18	...	...	39
France
Italy
Spain
Denmark	2	...	3	...	1	...	...	...	6
Portugal
Total	19	13	5	...	1	18	4	9	69

APPENDIX No. III.

Balance sheet of funds held in trust for the year ending 31st March 1919.

Item of Receipts.	Balance, 1917-18.	Receipts, 1918-19.	Total	Paid, 1918-19.	Lapsed to Government.	Balance, 1918-19.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Deposit money of British seamen	1,683	46,430	48,113	41,455	...	6,658
Ditto Indian "	21,224	26,948	48,172	17,645	1,642	28,885
Estates of deceased "	29,117	95,046	1,24,163	52,980	1,656	69,527
Total	52,024	1,68,424	2,20,448	1,12,080	3,298	1,05,070
Account with Board of Trade	...	1,11,873	1,11,873	1,11,873	...	...

APPENDIX No. IV.

Showing the financial results for the year ending 31st March 1919.

Heads of receipts.					Heads of expenditure.				
1917-18.	1918-19.	Increase.	Decrease.		1917-18.	1918-19.	Increase.	Decrease.	
Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
Shipping fees ...	33,034	33,303	2,238	...	Establishment ...	38,655	40,380	1,725	...
Discharging fees ...	23,274	26,972	3,698	...	Overtime ...	9,440	11,536	2,096	...
Additional fees ...	237	118	...	110	Cost of constable ...	1,510	1,510	...	...
Overtime fees ...	9,440	11,536	2,096	...	Contingencies ...	1,005	817	...	188
Fines and forfeitures ...	5,135	5,700	565	...	Subscription to newspapers ...	194	191	...	3
Sale of forms ...	1,340	1,563	222	...	Furniture and fittings ...	120	304	184	...
Sale of Cookery certificate and discharge certificate ...	4,354	5,057	703	...	Telephones ...	742	737	...	5
Sale of old stores ...	85	109	24	...	Rates and taxes ...	954	954	...	...
Total ...	76,929	80,356	9,546	119	Cost of forms and stationery ...	4,304	1,274	...	3,030
					Cost of tin cases ...	981	1,155	174	...
					Pay of sweepers ...	810	933	123	...
					Grain compensation allowance ...	140	109	...	31
					Postage stamps ...	...	350	...	...
					Total ...	58,865	60,250	4,302	3,257

No. 41S., dated Chittagong, the 21st May 1919.

From—The Shipping Master, Chittagong.

To—The Commissioner of the Chittagong Division.

I HAVE the honour to submit herewith the Annual Administration Report of the Shipping Office for the financial year 1918-19, together with Appendices I to III.

2. **Financial results.**—The amount received during the year was Rs. 1,957 and that expended was Rs. 580. The accompanying statement I shows the particulars of the receipts and expenditure of the past two years with explanation of the principal fluctuations.

3. **Trust Funds.**—The opening balance of the year under review was Rs. 1,058 and the receipts Rs. 1,23,835 or Rs. 30,541 in excess of that of the previous year; the payments were Rs. 1,22,589, leaving a balance of Rs. 2,304 at the close of the year as shewn in statement II annexed.

4. **Seamen shipped and discharged.**—The number of seamen of all nationalities shipped and discharged during the year under report was 174 and 694, respectively, against 169 and 579 in the previous year as shewn in the statement III annexed.

5. **Inspection of vessels.**—The number of ships which arrived at this port during the year 1918-19 was 28 (excluding regular coasting steamers) against 22 in the previous year; of these 4 ships were manned solely by Europeans, 1 ship was manned by Japanese, 14 ships were manned by mixed crews of Europeans, Asiatics and Indians, and 9 ships were manned exclusively by natives of India. All the foreign-going ships were inspected by the Port Health Officer.

6. **Condition of seamen.**—There were 16 seamen admitted into the Chittagong General Hospital against 5 during the preceding year. Of the total admission 12 were discharged as cured, 2 discharged otherwise, one died and one is still in hospital. There were no cases of scurvy or death resulting from bad or insufficient food on board ships during the year under report.

7. **Seamen's Money Order.**—No remittances of wages were made to the United Kingdom by means of Seamen's Money Order.

8. **Deserters.**—Twelve lascars deserted during the year against 3 in the previous year. There was no deserter among European seamen.

9. **Deaths.**—Three deaths occurred among the sea-faring community at this port during the year under report. One Mr. Theodore Eriessson, a Swedish subject, carpenter on board the SS. *War Anemone*, whilst returning to the ship at night, accidentally fell into the river; his body was recovered three days after. One Din Mahamed, Indian fireman, on board the SS. *Marwari*, jumped overboard at sea and was never seen again.

10. **Offences.**—No cases were tried by the Magistrate under the Indian Merchant Shipping Act, I of 1859, during the year under report.

STATEMENT I.

Showing the financial results of the working of the Shipping Office Chittagong for the year ending 31st March 1919.

Heads of receipts.	1918-19.	1917-18.	Increase.	Decrease.	Heads of expenditure.	1918-19.	1917-18.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
Shipping fees	116	86	20	...	Pay, acting and leave allowance of Shipping Clerk	283	510	...	1271
Discharging fees	660	550	110	...	Pay of a peon	94	95	...	1
Value of forms	11	10	1	...	Grain compensation allowance	3	6	...	3
Fines and forfeitures	1,154	19	1,135	...	War allowance	13	...	13	...
Overtime fees	16	...	16	...	Contingencies	71	66	5	...
					Overtime fees	16	...	16	...
Total ...	1,957	665	1,292	...	Total ...	580	677	97	131

* The increase of discharging fees is due to the greater number of vessels having paid off.

† The increase under this head is due to the balance of wages amounting to Rs. 1,046 of certain Indian seamen deserted from vessels having been forfeited to Government.

‡ The decrease is due to the present Shipping Clerk having been paid at Rs. 30, i.e., the minimum pay of the post up to 5th October 1917.

§ This amount was drawn by officers performing overtime work afloat.

STATEMENT II.

Receipts and disbursements on behalf of Seamen discharged from the Port of Chittagong.

Heads of receipts.	Balance at the opening of the year.	Receipts during the year.	Total.	Items of disbursements.	Amount.	Lapsed to Government.	Balance at the close of the year.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Opening balance	1,058	...	1,058	(1) Paid cash to British seamen ...	Nil	...	...
(A) Voluntary deposits on account of seamen discharged on mutual consent or on termination of agreement.	...	1,18,997	1,18,997	(2) Paid cash to Indian seamen ...	1,18,997	...	...
(B) Involuntary deposits on account of seamen discharged in jail or under medical certificate.	...	Nil	...	(3) Paid to relatives of the deceased seamen.	2,439	...	...
(C) Deposits on account of deceased seamen—	...	...	...	(4) Remitted to the Shipping Master, Calcutta, on account of deceased seamen.	930	...	2,304
(1) From Shipping Master, Bombay	2,988	...	...	(5) Remitted to the Magistrate of Noakhali on account of deceased seamen.	117	...	...
(2) From Shipping Master, Calcutta	787	...	...	(6) Lapsed to Government on account of deceased seamen.	...	106	...
(3) From masters of vessels	930	...	...		
(4) From Superintendent, Mercantile Marine, Rangoon	133	...	...		
Total ...	4,838	...	4,838	Total ...	1,22,483	106	2,304
Total ...	1,058	1,23,835	1,24,893				

STATEMENT III.

Number of Seamen of all nationalities shipped and discharged at the Port of Chittagong during the year 1918-19 as compared with the previous year.

Nationalities.	1918-19.		1917-18.		Grounds of discharge.
	Shipped.	Discharged.	Shipped.	Discharged.	
British	4	...	1	2	By mutual consent ... 105 On termination of agreement ... 585 Under medical certificate ... 4
Eurasians ... ..	...	...	...	1	
Indian Lascars	170	584	168	574	
Goanese ... ..	...	1	...	2	
West Indies ... ..	...	1	...	...	Total ... 694
Chinese ... ..	...	105	...	...
Japanese ... ..	...	1	...	...
Mauritius ... ..	...	1	...	...
Ceylonese ... ..	...	1	...	...
Total ...	174	694	169	579	

MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR JULY 1919.

I. Character of the Season.—The rainfall throughout the province was in excess of the normal everywhere except in the districts of Murshidabad, Burdwan, Midnapore, Hooghly and Dinajpur, where the fall was slightly defective. The usual rainfall statement is appended.

II. Progress of the Agricultural Operations.—Transplantation of winter paddy was proceeding under generally favourable conditions, but the progress was retarded in some districts of North and West Bengal for want of sufficient rainfall. Reaping of autumn paddy and cutting, steeping and washing of jute continued.

III. State of Standing Crops.—The condition of autumn paddy, jute and other standing crops was fairly good on the whole.

IV. Prospects and Probable Outturn.—A fairly good outturn of autumn paddy is anticipated. The prospects of winter paddy were generally reported promising.

V. Damage to Standing Crops.—Slight damage to the jute crop by insect pests was reported from some districts, mostly in West Bengal. In the low-lying tracts of Pabna and Faridpur jute, autumn paddy and deep water aman paddy also suffered some damage by flood.

VI. Condition of Agricultural Stock.—The condition of agricultural stock was generally fair. Cattle-disease was found to exist in the districts of Nadia, Murshidabad, Khulna, Burdwan, Midnapore, Hooghly, Dinajpur, Jalpaiguri, Malda, Cooch-Bihar, Bakarganj and Tippera.

VII. Failure of Pasturage and Fodder.—The supply of fodder was sufficient throughout the province, except in the flooded tract in the district of Bogra.

VIII. Prices of Food-grains.—During the second fortnight of the month under review the price of common rice for the province rose in nineteen districts, fell in three and remained stationary in the rest. It varied from 4 seers per rupee at Rangpur to 6 seers at Jessore, Khulna and Jalpaiguri.

IX.—Condition of Agricultural People.—Distress continued to prevail in the Brahmanbaria subdivision of Tippera. Relief measures continued.

J. C. ROY,

for Director of Agriculture, Bengal.

Dacca, the 18th August 1919.

Statement showing the normal and actual rainfall in each district during July 1919.

Division.	District.	Normal district rainfall for the month of July.	Actual district rainfall for the month of July, 1919.	Variation from the normal.	Division.	District.	Normal district rainfall for the month of July.	Actual district rainfall for the month of July, 1919.	Variation from the normal.
		Inches.	Inches.	Inches.			Inches.	Inches.	Inches.
Presidency	24 Pargannas	13.20	14.52	+1.32	Rajshahi— concd.	Rangpur	14.53	18.12	+3.59
	Calcutta	12.85	11.99	-0.86		Bogra	12.71	17.68	+4.97
	Nadia	10.17	13.09	+2.92		Pabna	11.10	14.82	+3.72
	Murshidabad	10.91	10.92	-0.02		Malda	11.74	21.22	+9.48
	Jessore	10.98	15.25	+4.27	Dacca	Dacca	12.96	16.87	+3.91
Burdwan	Khulna	15.04	20.28	+5.24		Mymensingh	16.27	21.26	+4.99
	Burdwan	11.39	10.71	-0.68		Faridpur	12.30	20.05	+7.75
	Birbhum	12.42	14.62	+2.20		Bakarganj	18.14	28.74	+10.60
	Bankura	11.92	13.16	+1.24	Chittagong—	Chittagong	26.80	35.38	+8.58
	Midnapore	12.47	10.23	-2.24		Tippera	13.71	16.43	+2.72
Hooghly	Hooghly	12.06	11.54	-0.52		Noakhali	23.78	27.74	+3.96
	Howrah	12.92	14.96	+2.03		Chittagong Hill Tracts	20.95	22.14	+1.19
Rajshahi	Rajshahi	11.60	17.18	+5.58	Cooch Behar	Cooch Behar	24.68	24.99	+0.31
	Dinajpur	16.01	15.78	-0.23					
	Jalpaiguri	32.81	36.01	+3.20					
	Darjeeling	31.24	34.46	+3.12					

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 14th August 1919.

Summary.—Light to moderate rain fell throughout the province. Reaping of autumn paddy is in progress. Transplanting of winter paddy and cutting, steeping and washing of jute are proceeding but the operations are being retarded in the northern and eastern districts for want of sufficient rain. Slight damage to jute by insects is reported from some West Bengal districts. The prospects of standing crops are reported to be fairly good. The average price of common rice for the province has risen by about 0·61 per cent. as compared with that of previous week. The average number of persons engaged daily in test works in the Brahmanbaria subdivision of Tippera district was 302.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERs, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
1	24-PARGANAS	5·69	5½	5½	Transplanting of <i>aman</i> paddy continues. Condition and prospects of jute are good. Damage by insects is reported from some places in Basirhat and Barasat subdivisions. The effects of weather are good. Harvesting of jute is fairly progressing in the Barasat and Basirhat subdivisions. Fodder and water are sufficient.
	Diamond Harbour.	5·27	5½	5½	
	Barrackpore	(n)	(n)	5	
	Barasat ...	3·72	5½	5½	
	Basirhat ...	4·69	5½	5½	
2	NADIA ...	1·62	5½	5½	Prospects of standing crops, including jute, are good. Harvesting of <i>aus</i> paddy and jute continues. Effects of weather are favourable. Some damage to jute has been done by insect-pests. Transplanting of <i>aman</i> paddy continues.
	Kushtia ...	0·63	5	5	
	Meherpur ...	2·90	5½	5½	
	Chuadanga ...	2·36	5	(n)	
	Ranaghat ...	1·62	5½	5½	
3	MURSHIDABAD	3·84	4½	4½	Weather cloudy with occasional rains. Prospects of standing crops are good. Transplanting and weeding of <i>aman</i> paddy continue. Condition and prospects of jute are fair. Effects of weather are favourable to its growth. Some damage by insect pests is reported in Sadar subdivision and it is apprehended by flood in Jangipur subdivision. Harvesting has commenced. Cattle-disease prevails in Mirzapur in Jangipur subdivision. Fodder is sufficient. No large import or export. Agricultural loans and gratuitous relief are being given for distress in some parts of the district.
	Lalbagh ...	3·45	5	5	
	Jangipur ...	3·29	4½	4½	
	Kandi ...	2·13	4½	5	
4	JESSORE ...	2·72	5	5	Harvesting of <i>aus</i> paddy and transplanting of <i>aman</i> paddy continue. Standing crops are doing well. Condition and prospects of jute are fair. Cutting and steeping continue. Fodder is sufficient.
	Jhenidah ...	1·99	5½	5½	
	Magura ...	1·03	5	5	
	Narail ...	4·41	5	5	
	Bangaon ...	2·87	5	6	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEER, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
5	KHULNA ...	2.42	4 $\frac{9}{16}$	4 $\frac{1}{2}$	Transplantation of <i>aman</i> paddy is going on. Some damage to paddy seedlings by heavy rain is reported. Condition and prospects of jute are good; the effects of the weather on the growth of the crop are good. No damage. Harvesting is going on. Fodder and water are sufficient.
	Satkhira ...	4.85	5 $\frac{5}{16}$	6	
	Bagerhat ...	4.60	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
6	BURDWAN ...	5.08	5	5	Weather hot and cloudy. Transplanting of <i>aman</i> paddy is progressing. <i>Aus</i> paddy and sugarcane are doing well. Harvesting of jute continues. Some damage to the crop has been done by insects in the Sadar subdivision. Cattle disease is reported from Galsi, Sahebganj and Katwa.
	Asansol ...	3.93	5	5	
	Katwa ...	3.40	5 $\frac{1}{2}$	5 $\frac{3}{8}$	
	Kalna ...	2.00	5	4 $\frac{1}{2}$	
7	BIRBHUM ...	3.45	5	5 $\frac{1}{4}$	Transplantation continues. Prospects of standing crops are favourable. Fodder and water are sufficient.
	Rampurhat ...	3.40	4 $\frac{1}{2}$	5	
8	BANKURA ...	2.30	5 $\frac{1}{2}$	5 $\frac{1}{2}$	Transplantation of paddy has been nearly finished. Prospects of standing crops are good. Export of rice and paddy continues.
	Vishnupur ...	2.19	5 $\frac{3}{8}$	5 $\frac{1}{2}$	
9	MIDNAPORE	7.53	5 $\frac{1}{2}$	5 $\frac{1}{2}$	Transplantation of winter rice continues. Condition and prospects of jute, <i>bhadoi</i> paddy and other <i>bhadoi</i> crops are fair. Fodder and water are sufficient.
	Ghatal ...	5.84	5 $\frac{3}{8}$	5 $\frac{3}{8}$	
	Tamluk ...	1.22	6	6	
	Contai ...	5.16	6 $\frac{1}{2}$	6 $\frac{1}{2}$	
10	HOOGHLY ...	2.72	4 $\frac{9}{16}$	4 $\frac{1}{2}$	Effects of weather on the growth of the crops are favourable. Price of rice is rising. Condition and prospects of jute are fair. Harvesting is going on. Cattle-disease is reported from Palba thana. Damage by insect-pests is reported from Sadar and Serampore subdivisions. Fodder is sufficient.
	Serampore ...	1.36	5 $\frac{5}{16}$	5 $\frac{5}{16}$	
	Arambagh ...	4.25	5 $\frac{1}{4}$	6	
11	HOWRAH ...	3.00	5	5	Weather seasonable. Condition of sugarcane is good. Transplantation of <i>aman</i> paddy continues. Condition of jute is good. Slight damage by insects has been done in Ulubaria subdivision. Harvesting of jute continues in low lands. Fodder is sufficient.
	Ulubaria ...	4.89	5 $\frac{1}{2}$	5 $\frac{1}{2}$	
12	RAJSHAHI (RAMPUR-BOALIA).	3.84	4 $\frac{3}{8}$	4 $\frac{1}{2}$	The prospects of jute and other standing crops are favourable. Harvesting of jute and <i>aus</i> paddy continues. Damage by flood is reported from some places in Sadar subdivision. Fodder is sufficient.
	Naogaon ...	1.48	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
	Nator ...	2.17	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
13	DINAJPUR ...	0.57	5 $\frac{1}{4}$	5 $\frac{3}{8}$	Prospects of jute and other <i>bhadoi</i> crops are not favourable in the Sadar subdivision. More rain is wanted in Sadar and Balurghat subdivisions for transplanting of winter paddy. Rice market is rising owing to exports.
	Thakurgaon ...	1.51	5 $\frac{1}{2}$	6	
	Balurghat ...	0.78	4 $\frac{1}{2}$	5	

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
14	JALPAIGURI	3.58	5	5½	Weather hot. Harvesting of jute continues. Water is insufficient for transplanting of winter paddy. Prospects of standing crops are fair. Fodder is sufficient.
	Alipur ...	2.47	5	5	
15	DARJEELING	5.12	4½	4½	Harvesting of potatoes and maize continues. Marua and cardamom are progressing. Standing crops are growing well. Condition and prospects of jute are fair. Effects of weather on the growth of jute are fair. No damage. Cutting and steeping of jute have begun. Transplanting of autumn paddy is retarded owing to drought in Terai. Winter paddy is being transplanted in the hills. The supply of fodder* and water is sufficient. Stock of food-grains is insufficient.
	Kurseong ...	3.65	4½	4½	
	Siliguri	1.57	4	4	
	Kalimpong ...	6.59	5½	5	
16	RANGPUR ...	0.57	4½	4	Weather seasonable. Cutting and steeping of jute and harvesting of <i>aus</i> paddy continue, but the steeping of jute is being retarded by want of rain. The condition and prospects of jute are good. More rain is urgently wanted for winter rice. Weather is not favourable for winter rice. Fodder and water are sufficient. Cattle-disease is reported from Domar, Saidpur and Nilphamari thanas.
	Nilphamari	0.28	4½ ³ / ₈	4½	
	Kurigram ...	0.16	4½	5	
	Gaibandha ...	0.39	4½	4½	
17	BOGRA ...	1.66	4½	4½	More rain wanted. Harvesting of <i>aus</i> paddy, cutting and steeping of jute and transplanting of winter paddy continue. Steeping of jute is retarded for low flood. Prospects of jute are otherwise fair. Fodder is insufficient in flooded area.
18	PABNA ...	4.48	5	5	<i>Aus</i> paddy has been harvested. Jute crop has been harvested to the extent of four annas but the operation has been stopped in Sirajganj subdivision temporarily for want of water. Supply of fodder is tolerable.
	Sirajganj ..	0.43	4½	4½	
19	MALDA ..	9.91	5	5	Weather hot and cloudy. Transplanting of winter paddy in Kharba thana is retarded for want of rain. Prospects of jute are fair. No damage to crop is reported. Harvesting of <i>bhadoi</i> paddy continues. Slight damage by flood is reported from Gomastapur. Fodder and water are sufficient.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
20	COOCH BEHAR	4.20	6½	(n)	Weather hot with occasional rains. Harvesting of <i>bitri</i> paddy is going on. Preparation of lands for <i>haimanti</i> paddy going on and transplantation of its seedlings is retarded for want of rain. Prospects and condition of jute and effects of weather on its growth are favourable. Cutting, steeping and washing are going on. Fodder is sufficient.
21	DACCA ...	1.93	4½	4½	Weather seasonable. The decrease of water level is likely to cause damage to broadcast and transplanted <i>aman</i> paddy and to other standing crops. Harvesting of jute and sugarcane continues. Prospects of jute are fair.
	Manikganj ...	2.09	4½	5½	
	Narayanganj	0.99	4½	4½	
	Munshiganj*	0.94	4½	5	
22	MYMENSINGH	0.26	4	4½	Weather hot. More rain is badly wanted. Transplantation of winter paddy and harvesting of jute and <i>aus</i> paddy continue. Want of rain is affecting the transplantation of paddy and steeping of jute. Prospects are fair. Fodder is sufficient, but insufficiency of water is feared.
	Jamalpur ...	Nil	4½	4½	
	Tangail ...	3.76	4½	4½	
	Netrakona ...	1.04	4	4½	
	Kishorganj...	0.58	5½	4½	
23	FARIDPUR ...	4.49	4½	4½	Weather is favourable to the standing crops. Harvesting of <i>aus</i> paddy is nearly finished and that of jute continues. Prospects are fair. Fodder is available.
	Goalundo ...	2.14	5	4½	
	Madaripur ...	2.71	4½	4½	
	Gopalganj†...	2.27	5	4½	
24	BAKARGANJ (BARISAL).	1.65	{ 4½ 6½† }	4½	Prospects of jute are good and those of other crops fair. Weather is favourable to jute. No damage done to the crop. Harvesting continues. Fodder is sufficient. Cattle-disease is prevalent in Mathbaria thana.
	Pirojpur ...	2.21	4½	(n)	
	Patuakhali...	0.88	{ 4½ 5† }	5	
	Dakshin Shabazpur (Bhola).	1.86	4½	(n)	
25	CHITTAGONG	7.66	5	5½	Prospects of standing crops are good. Cultivation of <i>aman</i> paddy is going on. Harvesting of <i>aus</i> crop is progressing. <i>Panga</i> salt is selling at 10 and 9 seers per rupee at Sadar and Cox's Bazar, respectively. Fodder is sufficient.
	Cox's Bazar	13.90	4½	5	
26	TIPPERA (COMILLA).	3.02	4½ ³ ₁₆	4½ ³ ₁₆	The prospects of <i>aus</i> paddy are fair and those of jute are good. Harvesting of jute and <i>aus</i> paddy and transplanting of <i>aman</i> paddy are going on. More water is needed for steeping of jute and for the growth of <i>barshall</i> paddy in Brahmanbaria subdivision: 287 men and 15 children worked daily on an average in test works and for eradicating water hyacinth in Brahmanbaria subdivision.
	Brahmanbaria.	0.69	4½ ⁸ ₃₃	5	
	Chandpur ...	1.85	4½ ³ ₁₆	4½	

* Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district rainfall figures for Kapasia thana are reported here.

† The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

(n) Not reported.

‡ *Aus* rice.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEEDS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
27	NOAKHALL...	5.09	4½	4¼	Weather seasonable. Prospects of standing crops are good. Prospects of jute and effects of weather on its growth are fair in Sadar and good in Feni subdivisions. Harvesting continues. Fodder sufficient.
	Feni ...	4.95	{ 4½ ⁵ / ₆ 5½*	4½ ⁹ / ₁₆ 5½*	
28	CHITTAGONG HILL TRACTS.	3.11	5	5	Prospects of <i>jhum</i> crops are good. Plough cultivation is being retarded owing to insufficient rainfall. Fodder is sufficient.

* *Aus* rice.

R. S. FINLOW,
Offg. Director of Agriculture, Bengal.

DACCA, the 18th August 1919.

**List of prices of articles of food in Calcutta for the week ending
Saturday, the 16th August 1919.**

Names of Articles.	WHOLESALE PRICE PER MAUND.		RETAIL PRICE PER SEER.	
	From—	To—	From—	To—
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Rice—				
Balam, coarse	8 4 0	8 6 0	0 3 4½	0 3 6
„ medium	8 7 0	.....	0 3 6	0 3 9
Patnai, coarse	7 12 0	8 2 0	0 3 4½	0 3 6
„ medium	8 3 0	8 8 0	0 3 6	0 3 9
Nagra, coarse	7 12 0	8 0 0	0 3 6	.....
„ medium	8 3 0	8 8 0	0 3 9	.....
Dudhkalma	8 4 0	8 8 0	0 3 9	.....
Rangoon Boiled	.....	.....	0 3 3	.....
Kajla	7 0 0	7 4 0	0 3 1½	.....
Wheat, Dudhia	7 8 0	.....	.....	.....
„ Gangajali	.....	.....	.....	.....
„ Jamali	7 0 0	.....	.....	.....
Gram, Patnai (whole)	7 0 0	7 8 0	0 3 0	0 3 6
„ dal	8 8 0	9 0 0	0 4 0	0 4 6
Mung „ (Hari)	12 8 0	13 0 0	0 8 0	.....
„ „ (Krishna)	12 0 0	12 4 0	0 6 0	.....
Arhar „	8 10 0	11 4 0	0 4 0	0 4 6
Masur „ (split)	7 2 0	8 2 0	0 3 0	0 3 6
„ „ (Khanri)	9 10 0	10 6 0	0 3 6	0 4 6
Kalai „	8 0 0	10 0 0	0 3 6	0 5 0
Salt	3 3 0	3 5 6	0 1 6	0 1 9
Sugar (Brown Java)	18 4 0	.....	0 7 6	0 10 0
Gur, Bheli	.....	.....	0 5 0	.....
„ Bhursut	9 4 0	9 8 0	0 6 0	.....
„ Date	.....	.....	.....	.....
Milk	10 0 0	12 0 0	0 3 0	0 5 0
Mustard oil	38 8 0	40 8 0	0 14 0	1 2 0
Flour, country	9 6 0	10 7 0	0 4 6	0 5 6
Atta, No. 3	7 8 0	.....	.....	.....
„ „ 2½	7 12 0	.....	0 3 6	0 5 6
„ „ B	10 10 0	.....	.....	.....
Suji	9 8 0	10 12 0	0 4 6	0 6 6
Ghee (Bhadwa, Matki, etc.)	90 0 0	91 0 0	2 8 0	2 10 0
„ (Patiram, Khurja, Ruto, Etwa, better kind, etc.)	84 0 0	85 0 0	2 6 0	.....
„ (Lalli, Etwa, Sagar, etc.)	81 0 0	82 0 0	2 4 0	.....
Maize	5 8 0	6 0 0	.....	.....
Potato	5 8 0	7 0 0	0 2 6	0 4 0
Patal	6 0 0	7 8 0	0 3 0	0 4 0
Brinjal	5 4 0	5 8 0	0 2 6	0 3 0
Onions	3 10 0	4 4 0	0 1 6	0 2 6
Fish, Rahu	30 0 0	32 0 0	0 10 0	0 15 0
Mutton (2nd class)	.....	.....	0 10 0	.....
Beef (2nd and 3rd classes)	.....	.....	0 3 0	0 5 0

N.B.—This is an abstract of prices at the following markets :—

Wholesale.—Chetla Hat, Ramkrishnapur Hat, Sealdah Fish and Milk Markets, Posta Bazar.

Retail.—Sir Stuart Hogg Market, Orphanaganj Market, Sobha Bazar, Nutan Bazar, Raja Babu's Bazar, Bow Bazar, Kareya Bazar, Taltolla Bazar, Mallick Bazar and Jogu Babu's Bazar.

S. C. Roy,

for President, Advisory Food Committee.

CALCUTTA, the 11th August 1919.

DAILY RAINFALL RECORDED

DIVISION.	DISTRICT.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
24-Pargana.	Saugor Island...	0.11	0.26	0.12	...	0.04	0.20	0.06	...	0.05	0.20	...	0.24	0.46	0.72	...	...	...	...	0.72	0.19
	Diamond Harbour...	0.28	0.47	0.56	...	...	1.55	...	...	0.82	1.35	...	0.84	1.65	2.19	2.78	...	0.83	...	...	...
	Badge-Budze...	0.46	0.42	0.58	0.18	0.45	1.47	0.03	...	0.15	0.96	0.02	0.74	1.46	0.54	...	1.16	...	...	0.12	1.22
	Canning Town...	...	0.29	...	...	0.75	0.71	0.45	0.45	...	0.39	0.41	...	1.78	0.62	0.28	...	...	...	0.62	...
	Alipore...	...	0.51	0.33	...	0.10	1.19	0.03	...	0.38	0.20	0.35	0.80	0.07	1.55	0.01	2.19	...	...	0.18	1.28
	Barrackpore...	0.02	0.44	0.62	...	0.27	1.21	0.03	0.02	0.25	...	...	0.20	0.70	0.80	0.60	...	...	0.02	1.85	0.67
	Dum-Dum...	0.05	0.10	0.45	...	0.25	1.17	0.10	...	0.25	...	...	0.20	0.70	0.80	0.60	...	...	...	2.10	0.60
	Barasat...	0.00	0.09	0.28	...	0.05	0.19	0.80	...	0.39	...	...	...	1.22	...	0.84	0.05	...	0.87	2.84	2.30
	Basirhat...	...	0.52	0.15	...	0.32	0.84	...	0.14	0.60	...	...	0.30	1.67	2.58	0.42	...	0.05	...	0.45	1.30
	Nadia.	Ranaghat...	...	0.50	0.67	0.56	0.17	0.03	1.40	0.12	...	1.12	0.80	0.22	0.89	4.50	0.45
Prishnagar...		0.21	0.24	0.11	...	...	0.03	1.66	0.28	1.49	0.06	...	0.65	2.73	0.68	0.23	0.02	...	0.05	0.29	...
Choudanga...		...	0.50	0.87	...	...	0.06	1.25	0.08	0.95	0.50	0.25	...	0.15	0.65	0.12	...	...	2.26	...	...
Meherpur...		...	0.27	0.08	0.14	0.25	...	0.07	...	0.22	0.02	...	1.20	...	0.17	0.18	0.15	...	1.65	...	...
Kushlia...		...	...	0.30	0.35	...	0.50	1.50	...	...	0.25	...	...	...	0.10	...	...	...	...	0.25	...
Murshidabad.	Kandi...	...	0.56	0.16	0.26	...	...	1.21	1.20	0.04	0.25	2.10	...	0.21	0.80	0.03	0.91	...	...	0.03	...
	Berhampore...	...	0.62	0.22	0.65	...	0.11	1.10	...	0.10	1.14	...	0.17	0.35	0.07	0.19	0.63	0.46	...	0.12	...
	Lalbagh...	0.35	...	0.29	...	...	0.21	0.29	0.18	0.83	0.88	0.15	0.21	0.10	0.24	0.35	0.54	...	0.58	0.51	...
	Asimganj...	0.11	0.11	0.61	...	...	1.69	0.13	0.03	...	...	...	0.25	0.65	0.55	1.12	...	...	2.00	...	...
	Jangipur...	0.04	0.14	...	...	1.08	...	1.24	0.36	0.88	0.14	0.15	0.11	0.07	...	0.18	0.54	0.13	0.36	0.15	...
	Lalga...	0.15	...	...	...	2.85	1.22	...	0.56	0.25	...	...	...	...	0.46	2.78	...	...	0.25	...	0.15
	Akri...	0.14	0.11	...	...	...	0.65	0.15	0.44	0.06	...	...	...	...	0.06	0.42	1.03	0.02	0.44	0.08	...
	Parkabari...	...	0.66	...	...	2.01	...	0.28	...	1.40	...	...	0.24	...	0.89	0.24	0.11	0.11	0.79	0.03	...
	Dumkal...	...	...	...	0.06	0.02	...	0.46	...	2.11	...	...	0.15	0.07	0.09	0.03	...	0.06	0.02	0.05	...
	Kalyanganj...	0.16	0.26	0.02	...	...	1.53	...	0.18	0.20	...	...	...	0.24	0.07	0.24	1.44	0.11	0.22	...	...
Jessore.	Narail*	...	...	...	...	...	0.70	0.64	0.09	0.01	1.01	0.64	4.26	0.35	1.11	...	...	...	...	1.85	...
	Jhenida...	1.31	...	0.22	...	1.30	1.07	0.11	0.60	0.39	...	0.18	0.53	0.49	1.30	0.14	0.14	2.50	...	2.02	...
	Magura...	...	1.02	1.82	0.12	0.45	1.20	0.05	...	0.30	0.13	0.66	1.40	0.86	0.56	0.03	4.06	...	3.30	...	
	Bongaon...	0.75	0.18	0.28	...	0.10	2.05	0.34	0.56	0.22	0.05	...	4.40	0.70	0.38	0.25	...	0.04	0.48	2.25	...
Khalna.	Satkhira...	0.39	0.60	...	0.21	6.75	2.90	0.08	1.10	0.25	0.31	2.40	4.77	1.20	0.01	0.67	...	0.06	0.66	2.16	...
	Bagerhat...	0.18	0.60	0.90	0.11	1.33	2.07	1.37	1.10	0.15	0.80	0.30	0.18	1.07	0.47	0.09	0.25	...	0.10	1.88	...
	Khalna...	0.07	0.38	0.10	0.19	2.50	2.07	0.75	0.12	0.15	2.67	1.80	2.03	0.07	...	...	0.06	0.10	0.14	1.03	...
	Kaliganj...	0.18	0.40	...	...	0.75	2.00	0.30	0.20	0.35	0.40	0.42	1.06	...	...	0.40	0.12	0.40	1.00	1.50	...
	Nakipur...	0.07	0.44	...	...	1.14	...	0.87	0.61	...	...	...	0.71	...	1.14	...	0.16	...	1.01	0.45	...
	Dumuria...	...	1.03	0.26	0.21	0.98	4.10	0.13	0.18	0.91	3.18	2.20	0.18	...	...	0.08	0.21	...	0.31	2.52	...
	Rampal...	0.72	0.30	0.07	0.03	...	1.20	...	0.84	0.03	0.23	0.50	...	0.22	0.15	0.22	...	1.50	3.75	1.25	...
	Kalaroa...	0.18	...	0.88	...	0.65	0.70	0.50	0.28	0.28	0.39	1.10	4.67	2.18	1.45	0.03	...	0.03	...	0.19	...
	Paikgachha...	0.11	1.00	...	...	0.20	2.60	0.22	0.84	0.04	0.32	0.80	1.16	1.66	0.42	...	...	...	2.64	...	
	Mohahat...	...	0.27	2.04	0.33	2.77	2.82	0.08	0.55	0.06	2.36	0.06	2.50	0.10	0.15	0.10	0.06	0.56	3.13	4.60	...
	Moreganj...	...	...	0.25	0.15	...	2.17	3.10	0.20	0.07	0.27	...	...	1.15	1.17	0.50	0.15	1.80	0.05	0.05	4.50
	Tala...	0.10	0.05	0.06	...	0.61	4.02	0.22	0.00	1.35	0.67	0.49	3.00	1.10	0.66	...	0.05	...	0.19	0.64	...
Burdwan.	Kalna...	...	0.20	...	...	0.50	0.80	...	0.315	...	...	1.85	...	1.15	0.57	...	...	0.50	0.40	1.10	...
	Burdwan...	...	0.22	0.21	...	...	1.46	0.46	0.04	0.68	...	...	0.64	0.02	0.70	0.27	0.13	...	3.50	...	
	Katwa...	0.10	0.24	0.18	...	...	1.66	0.49	0.17	0.37	0.07	...	0.56	...	0.33	...	0.15	0.21	0.27	0.58	...
	Asansol...	...	0.01	0.38	...	0.23	0.05	1.73	0.15	0.11	...	...	0.62	1.36	2.69	0.01	0.11	0.02	0.08	0.11	...
	Mankar...	...	...	...	0.17	...	...	0.35	...	0.80	0.14	...	...	...	0.83	0.57	...	...	...	1.24	...
Birbhum.	Mangalkot...	...	...	...	1.04	2.12	...	0.50	0.40	...	1.21	...	...	1.49	0.03	0.56	2.08	0.48	...	0.20	0.50
	Royna...	...	0.28	0.73	...	0.75	0.50	0.40	...	...	...	...	...	1.49	0.03	0.56	2.08	0.48	...	0.20	0.50
	Monteswar...	0.24	0.73	...	...	1.00	0.90	...	0.40	...	...	...	0.69	...	...	1.70	1.95	...	0.98	2.01	...
	Suri...	...	0.50	1.55	0.10	...	0.10	2.30	0.15	1.20	...	...	...	0.40	1.30	0.50	0.30	0.80	0.15	...	...
	Herampur...	0.14	0.02	2.31	...	...	0.35	1.90	0.18	2.16	...	...	...	1.05	1.15	...	...	1.22	0.44	...	...
BANKURA.	Rampurhat...	0.25	0.22	0.22	...	...	0.05	0.45	0.43	0.15	0.15	...	...	...	0.07	0.30	1.15	...	0.75	...	...
	Bolpur...	...	1.50	0.10	...	...	0.25	1.60	0.19	...	...	...	...	...	0.15	...	...	...	...	0.90	0.80
	Murari...	...	...	...	...	...	0.55	2.79	2.19	0.56	...	...	...	...	...	...	...	...	...	...	...
	Lahpur...	0.30	0.39	0.66	0.02	...	1.21	2.37	0.33	0.31	...	...	0.90	0.12	0.05	0.35	...	1.50	0.11	0.05	...
	Bankura...	...	1.85	4.30	...	...	1.05	3.07	0.85	0.25	...	...	0.65	0.04	2.30	0.28	...	...	0.22	0.05	...
	Vishnupur...	0.05	0.32	1.43	...	...	0.85	0.50	0.35	0.35	0.17	...	...	0.20	0.40	1.40	...	...	0.26	0.03	...
	Mahara...	...	0.90	1.28	...	...	0.13	0.73	0.04	0.50	...	...	0.18	0.02	0.68	0.14	0.48	0.70	1.12	0.19	...
	Khatra...	0.02	0.51	3.75	...	...	0.43	1.36	0.02	...	...	...	0.04	0.65	0.46	...	...	0.12	0.30	0.48	...
	Indas...	...	0.91	0.41	...	...	0.69	0.54	0.26	1.51	0.36	0.66	2.41	0.54	0.05	0.69	...	1.15	...	...	...
	Kotalpur...	0.32	0.63	1.75	...	...	0.62	0.90	0.06	0.81	0.75	...	3.20	...	0.84	1.80	...	...	...	...	...
	Guda...	...	1.10	0.94	...	...	1.58	0.74	...	0.50	0.05	...	0.11	0.47	0.39	0.19	...	...	0.18	...	...
	Gangajalhati...	...	0.29	1.02	...	...	1.10	1.32	...	0.66	...	0.17	...	0.29	0.65	...	...	0.44	...	0.09	...
	Raipur...	...	0.25	1.75	...	...	0.72	3.75	...	...	...	...	0.15	0.60	0.35	0.48	...	...	0.15	0.26	...
	Sonamukhi...	...	0.72	1.05	...	...	1.32	0.63	0.23	0.11	...	...	0.13	0.04	0.57	0.97	0.02	...	0.50	0.10	...
	Taldanga...	...	0.60	0.80	...	...	2.80	0.78	0.50	1.90	...	...	...	0.20	1.24	1.00	...	...	...	...	...
	Saranga*	...	...	...	...	...	...	...	...	...	...

BENGAL FOR THE MONTH OF JULY 1919—contd.

21	22	23	24	25	26	27	28	29	30	31	No. of rainy days.	Average number of rainy days.	Total rainfall for the month.	Normal rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st June up to 31st July 1919.	Normal rainfall from 1st June up to 31st July.	Station.	DISTRICT.	DIVISION.
0.47	0.09	0.77	...	0.15	...	0.08	0.10	0.03	12	15.1	6.78	13.71	1.55	30.16	23.62	Coutal	Midnapore	BURDWAN—contd.
1.11	...	...	...	0.13	...	0.09	0.27	...	0.05	0.06	13	15.7	13.24	12.46	2.50	30.62	23.66	Tamluk.	...
0.93	...	...	...	1.16	...	0.29	...	...	...	...	16	15.2	11.66	12.43	2.45	30.08	21.65	Midnapore.	...
0.18	...	...	...	...	...	0.10	...	0.26	0.39	0.23	18	15.5	16.59	13.78	3.15	43.71	24.83	Kakrahati.	...
0.77	...	...	...	...	...	0.50	0.18	...	0.66	0.17	14	15.6	10.39	11.92	1.90	19.27	22.24	Amiagura.	...
...	...	...	...	...	...	...	0.45	...	...	...	15	14.7	13.96	11.66	3.30	25.69	21.91	Panskura.	...
...	...	...	...	...	...	0.80	...	...	...	0.20	12	13.5	8.95	11.53	2.40	21.19	21.18	Dantan.	...
...	...	...	...	...	...	...	...	...	...	...	12	13.2	12.92	...	...	...	26.49	Chandrakona.	...
...	...	...	...	1.12	...	...	0.20	...	0.12	...	16	13.4	2.30	13.16	1.65	26.67	22.71	Pachet.	...
0.25	...	...	...	...	...	0.25	0.51	...	0.18	...	15	15.9	8.48	11.77	1.40	26.59	26.27	Bhagwanpur.	...
...	...	...	...	...	...	...	...	...	...	...	12	(n)	6.07	(n)	1.45	18.44	(n)	Kalikri.	...
0.75	0.25	...	...	...	0.08	0.32	...	...	...	...	15	15.0	10.14	10.04	3.74	22.13	18.58	Nayabasan.	...
0.58	...	...	...	...	0.58	0.45	0.24	0.48	0.09	...	15	15.0	10.14	10.04	3.74	22.13	18.58	Shida (Belpa-hari).	...
...	...	...	...	...	...	0.16	...	0.14	0.40	...	15	(n)	(n)	(n)	(n)	(n)	(n)	Chandri.	...
0.12	...	...	...	0.41	...	...	...	...	0.29	...	13	16.0	8.20	12.55	2.35	26.00	21.62	Gualtore.	...
0.25	...	...	...	...	...	...	...	...	...	...	13	16.0	7.30	11.55	1.23	20.36	20.66	Saltori.	...
...	0.25	0.22	...	...	...	0.35	...	...	0.35	0.25	19	16.0	9.63	14.41	2.15	23.94	27.18	Narayanagarh.	...
...	...	...	...	...	...	...	...	...	...	...	8	13.3	5.17	11.51	2.09	26.23	22.62	Ramnagar.	...
0.04	...	...	...	0.65	...	0.02	...	0.06	0.65	...	13	13.1	12.27	14.01	2.73	37.78	23.97	Mohampur.	...
0.50	...	...	...	...	...	...	0.25	...	0.60	...	10	13.7	7.30	12.04	2.50	29.08	24.49	Horia.	...
0.84	0.05	...	0.04	...	0.13	0.23	0.84	0.23	0.11	...	15	15.1	9.13	13.18	2.75	29.89	27.04	Jenka (Kajri).	...	
0.80	...	...	...	0.07	...	0.32	0.50	0.02	0.50	1.40	16	13.4	8.35	11.47	1.50	51.20	24.95	Nandigram.	...
0.50	...	0.30	...	...	...	...	0.20	...	...	...	15	14.3	24.50	11.97	3.40	49.35	21.95	Moyha.	...
...	0.40	...	...	...	...	...	...	0.40	...	...	14	14.1	7.21	13.64	1.94	19.70	26.20	Pingla.	...
...	0.35	...	0.53	0.72	...	0.21	...	0.45	0.23	...	13	16.3	11.27	13.40	3.42	31.78	29.35	Narajole.	...	
...	
0.77	0.06	0.39	...	11	16.8	10.51	12.52	1.95	20.71	22.72	Serampore	Hooghly	Hooghly ...
1.45	0.08	...	...	...	0.35	...	0.04	...	0.08	0.19	15	16.2	11.02	11.03	2.49	21.53	20.32	Hooghly.	...
0.82	1.24	...	0.27	...	0.65	0.55	16	15.7	12.18	12.64	1.78	19.41	22.44	Arambagh.	...	Howrah ...
...	
1.55	...	...	...	...	1.96	...	0.10	...	...	0.48	15	17.3	15.82	12.92	2.21	25.94	23.34	Howrah	...
1.22	0.12	0.23	0.18	...	3.14	...	0.02	20	16.5	18.91	13.40	3.14	36.75	24.60	Moheswaka.	...	Howrah ...
0.21	...	...	0.05	...	1.40	0.20	0.50	...	...	...	19	17.2	13.44	12.36	2.32	26.23	23.77	Ulubaria.	...
0.50	4.30	...	0.23	0.03	13	16.3	11.78	13.12	4.30	28.16	24.04	Amta.	...	Boalia ...
...	
0.52	0.40	...	1.39	0.11	0.21	0.16	17	15.1	12.99	10.91	3.52	22.99	21.33	Boalia	...	Boalia ...
0.66	...	...	...	...	...	...	...	...	...	0.10	15	16.1	12.30	12.49	5.66	19.21	23.26	Nator.	...
...	0.13	0.04	0.05	0.15	15	15.5	18.35	11.72	7.55	30.11	24.96	Naugaon.	...	Dinajpur ...
1.52	0.00	0.22	...	...	...	...	...	...	0.18	...	12	14.9	15.07	10.80	6.00	27.69	21.24	Bilmari.	...
...	15	14.0	22.24	12.35	10.10	36.04	22.94	Manda.	...	Dinajpur ...
0.45	...	...	...	1.04	1.15	...	...	...	0.28	...	17	15.0	22.02	11.98	4.15	37.03	23.76	Mahadebpur.	...
0.50	0.25	0.20	...	14	14.5	15.40	10.95	5.50	20.17	21.92	Tanor.	...	Dinajpur ...
0.32	0.05	...	...	...	...	...	...	...	0.05	...	12	(n)	12.28	(n)	5.25	17.00	(n)	Chaugram.	...
...	Dinajpur ...
0.20	...	0.35	...	0.10	...	...	...	0.80	...	0.10	19	14.7	19.31	12.04	3.40	29.21	23.49	Nithpur.	...
1.94	16	12.7	15.57	16.47	2.50	25.17	22.27	Nawabganj.	...	Dinajpur ...
0.61	...	...	...	...	...	...	...	...	0.55	0.47	15	15.4	16.97	15.31	4.56	24.80	28.71	Gangarampur.	...
0.24	0.07	0.47	18	15.4	13.32	13.63	3.64	23.16	25.18	Chauramon.	...	Dinajpur ...
0.25	0.20	...	...	...	...	...	...	...	0.35	...	21	16.5	15.74	14.94	3.63	26.25	27.60	Raigad.	...
0.10	0.04	0.40	...	16	16.3	16.55	15.15	3.75	30.56	29.96	Dinajpur.	...	Dinajpur ...
0.40	0.03	...	...	0.12	0.59	...	...	...	0.30	...	18	16.2	21.16	13.25	4.50	33.47	25.20	Balughat.	...
0.74	0.12	0.10	0.34	1.34	0.37	17	15.9	13.49	19.97	3.10	33.45	36.56	Thakurgaon.	...	Dinajpur ...
1.35	...	...	...	...	...	...	...	...	...	...	17	13.9	15.00	14.78	3.35	30.65	30.04	Setabganj.	...
1.45	0.26	0.66	1.90	0.28	0.03	21	15.8	18.73	15.59	1.75	35.50	32.54	Ramganj.	...	Dinajpur ...
0.80	...	...	...	...	...	...	...	...	...	...	13	18.7	19.80	26.78	4.27	42.82	46.67	Atwari.	...
1.10	0.12	0.24	0.54	...	0.41	0.12	...	18	14.7	12.16	16.34	2.79	30.36	33.14	Birganj.	...	Dinajpur ...
0.90	0.10	0.03	0.20	1.10	...	0.35	...	...	2.63	...	21	14.1	12.23	16.09	2.63	26.35	29.49	Parbatipur.	...
...	Jalpaiguri ...
0.90	0.70	...	1.10	4.16	0.04	...	...	...	0.11	0.50	21	20.6	26.19	29.84	5.50	53.33	54.78	Jalpaiguri	...
2.15	1.50	1.70	3.42	0.71	0.06	0.25	0.05	...	23	18.7	31.69	32.15	7.66	58.32	61.87	Alpur Duars.	...	Jalpaiguri ...
0.88	1.60	0.25	1.65	2.37	...	...	...	...	...	...	23	15.3	27.68	27.34	5.90	46.67	50.11	Falakata.	...
0.21	0.79	3.20	0.39	0.48	20	17.3	17.81	19.42	3.15	43.39	38.12	Debiganj.	...	Jalpaiguri ...
0.37	0.66	0.25	3.39	0.60	0.12	0.35	0.65	0.07	...	0.17	27	24.3	38.42	37.70	3.87	70.10	63.29	Bhagatpur (Nagrakata).	...	
...	Buxa.	...	Jalpaiguri ...
0.90	3.00	0.08	2.70	1.55	0.66	0.10	...	...	...	...	25	24.8	51.77	50.36	10.20	103.07	88.91	Kalchini.	...
0.96	1.74	0.14	3.32	3.28	0.57	0.05	22	22.9	39.54	34.91	8.42	73.05	60.95	Kumargram.	...	Darjeeling
...	...	0.11	8.75	4.31	1.88	3.29	...	...	...	...	24	21.0	54.01	40.70	8.75	79.34	71.49	...	...
...</	

DAILY RAINFALL RECORDED IN

DIVISION.	DISTRICT.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAJ-SHAHI.	Malda	Malda	...	0.23	0.24	0.27	...	0.02	0.08	0.56	1.11	0.04	5.70	0.27	0.05	0.94	1.31	0.61	0.64	4.94	0.82	0.92
		Chanchal	0.54	0.05	0.15	1.50	0.13	0.30	0.27	0.28	0.46	0.93	3.04	0.27	0.23	0.72	0.75	0.42	2.27	0.80	1.24	
		Gazol	1.80	...	2.25	...	...	0.65	0.40	0.30	1.20	0.30	2.22	0.30	0.03	0.40	0.83	1.50	1.10	3.23	0.65
		Sibganj	0.30	0.15	...	...	...	0.34	0.71	0.30	0.10	2.50	0.23	0.03	2.60	1.65	2.50	0.10	0.40	...	...
		Gomastapur	...	...	...	0.64	0.41	1.40	...	2.50	1.55	1.94	4.67	...	...	1.18	...	...	0.66	...	...
	Dacca	Nawabganj	...	0.44	0.14	...	1.10	0.50	0.50	0.45	1.05	0.46	...	...	4.64	1.50	...	0.26	...	...	...
		Munshiganj	...	0.39	0.30	0.71	0.88	2.64	0.23	1.68	...	2.16	...	0.92	3.47	0.73	0.79	0.55	0.55	0.59	0.05	
		Dacca	...	0.40	0.15	0.04	0.15	3.43	1.20	...	0.03	0.02	0.04	2.27	2.24	0.55	0.42	0.01	0.27	1.80	0.65	
		Nawabganj	...	...	...	...	...	...	0.01	0.38	1.22	...	1.13	1.62	1.50	1.00	0.33	0.01	0.40	0.03	0.94
		Narayanganj	0.12	0.42	0.12	0.05	3.99	2.76	1.64	0.04	0.11	0.05	0.04	0.98	5.26	0.08	0.41	0.02	0.07	0.20	0.04	
	Mymensingh	Narsingdi	0.20	0.03	...	...	...	0.10	0.18	0.48	0.09	0.10	...	0.84	1.26	0.05	1.10	0.18	0.04	1.45	1.15
		Maulikganj	...	0.19	0.31	...	0.33	3.17	0.93	0.40	0.30	...	0.56	0.23	3.61	0.22	0.23	...	0.05	...	0.12	
		Joydebpur	0.05	0.32	0.04	0.12	0.57	3.45	0.01	0.63	0.28	0.10	1.82	0.07	1.48	1.33	0.43	0.01	0.70	1.45	0.24	
		Kapasia	...	0.03	...	0.08	...	0.30	0.30	0.45	0.45	...	0.25	0.30	1.43	1.18	0.50	1.60	0.20	0.30	0.25	
		Kishorganj	0.18	...	0.28	...	4.05	3.25	...	0.65	0.70	0.92	...	1.65	0.27	0.85	1.70	2.10	2.75	0.25	0.10	
DACCA.	Faridpur	Atia (Tangra)	1.00	0.65	1.02	1.25	0.46	0.72	1.02	0.45	0.36	...	0.72	0.26	1.03	0.31	...	...	1.02	0.80	...
		Sariatbari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mymensingh	0.22	0.42	0.13	0.06	0.56	0.55	0.69	0.19	0.20	0.28	0.06	0.18	0.10	0.54	0.71	1.27	0.01	5.12	0.11	
		Jamulpur	0.06	1.05	0.35	0.74	0.24	0.47	1.61	0.91	0.04	3.58	0.93	0.02	0.21	0.70	0.60	0.53	0.14	1.92	0.02	
		Netrokona	0.35	0.40	0.32	1.15	0.86	3.69	0.42	0.42	0.15	0.48	1.18	0.20	0.02	0.55	1.05	0.25	0.04	3.20	0.16	
	Durgapur	Pingua	0.15	...	0.24	0.35	0.02	0.04	0.25	0.11	0.14	0.08	0.55	...	...	0.07	1.22	0.21	2.45	0.05	0.07
		Durgapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sherpur	0.06	0.47	...	0.37	...	0.95	1.05	...	...	...	...	0.11	0.18	0.19	...	...	0.85	0.23	0.31
		(Fosha)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dewanganj	0.28	0.07	0.40	2.04	1.05	0.35	...	...	0.62	2.50	0.25	0.21	0.85	0.29	2.00	0.18	2.08	...	0.05
	Bakarganj	Kalitabari	...	3.50	0.50	2.65	0.20	1.10	0.40	1.67	2.00	0.70	1.95	0.22	0.20	0.50	1.50	0.50	0.20	0.30	0.45	
		Madaripur	0.41	0.65	0.12	0.62	0.67	4.18	0.16	0.71	0.66	0.43	0.71	0.19	0.74	0.32	...	0.22	0.29	1.27	1.36	
		Faridpur	...	0.40	0.03	0.42	0.04	0.94	0.63	0.24	0.32	0.04	0.16	0.90	0.24	3.01	0.40	0.12	...	0.16	1.25	
		Halbari	...	0.18	1.02	0.10	0.03	2.71	0.03	0.28	0.34	0.62	0.06	0.34	0.82	1.40	0.81	0.25	...	0.72	0.05	
		(Gaulando)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong	Haridaspur	0.33	0.44	0.25	0.26	1.48	2.03	0.62	0.20	...	0.14	1.18	0.38	1.08	0.04	0.01	0.02	0.88	0.20	4.40	
		Takechat	0.02	0.42	0.22	0.31	3.50	2.57	0.21	0.77	0.03	0.14	0.09	2.19	0.73	0.03	1.20	0.04	0.07	0.42	1.90	
		Bhanga	1.25	0.50	...	...	0.75	2.95	2.25	1.50	0.25	0.05	1.05	1.70	0.30	0.95	...	1.05	1.30	2.05	3.25
		Pangsa	...	0.25	0.50	0.47	...	0.18	0.65	0.21	1.88	1.05	0.12	0.23	0.58	0.36	0.44	1.03	...	2.15	...	
		Balinkandi	...	0.33	0.85	0.05	...	0.41	1.08	0.05	0.90	0.20	0.01	0.07	0.95	1.21	1.65	0.64	0.20	2.71	0.63	
Tippera	Bhansa	...	0.23	...	0.48	...	2.45	1.29	0.14	0.23	0.35	0.15	1.95	0.21	1.35	0.24	...	...	1.17	0.44	
	Palong	...	0.40	0.23	0.70	1.30	3.59	0.36	0.61	0.65	1.10	0.75	0.05	0.40	0.30	0.10	...	0.85	0.64	2.45		
	Patankhali	0.27	0.90	0.21	0.16	1.70	10.13	2.74	2.07	0.43	0.66	0.50	1.44	0.31	0.73	1.14	0.23	0.76	0.35	5.04		
	Barguna	0.71	0.09	0.21	1.29	4.35	1.23	3.42	0.43	0.62	0.09	2.21	1.24	0.45	2.24	0.19	0.17	0.55	1.19	5.12		
	Pirojpur	0.08	1.32	0.13	0.62	1.29	3.74	0.87	0.55	0.13	0.05	0.05	0.91	0.31	0.36	0.86	0.50	1.50	0.10	1.55		
Chittagong Hill Tracts	Barisal	...	1.01	...	0.21	3.13	5.50	0.59	2.60	1.12	0.05	0.21	1.70	0.88	1.08	0.52	1.16	0.29	0.43	0.45		
	Ganruadi	0.06	0.43	0.30	0.20	2.90	4.25	0.45	3.50	0.90	0.25	1.60	0.12	0.45	0.32	0.45	0.12	0.62	1.02	1.22		
	Bhola	0.22	0.79	0.13	...	0.95	3.12	0.40	0.77	0.54	0.19	0.16	0.62	0.25	0.31	0.40	0.64	0.62	0.28	3.44		
	Daulatkhan	0.15	1.02	0.05	0.04	1.56	3.20	2.10	0.30	0.08	0.02	0.52	0.10	0.18	0.25	0.82	1.90	1.45	0.50	1.07		
	Bauphal	0.24	0.54	0.90	2.75	5.59	1.51	1.61	1.70	0.37	0.40	2.57	...	...	3.35	1.11	1.51	1.56	3.11	5.49	
Chittagong	Cox's Bazar	0.08	1.07	0.34	0.50	2.94	3.70	2.15	0.91	0.31	0.61	1.46	5.31	2.65	1.20	0.21	0.35	0.75	5.50	3.25		
	Chittagong	0.10	0.27	0.36	2.27	2.23	1.46	1.21	0.66	0.17	1.30	2.25	2.60	0.58	0.59	1.32	0.98	0.13	2.80	4.00		
	Kutubdia	0.05	0.75	0.52	1.25	1.09	1.92	2.15	1.10	0.05	3.50	1.80	4.71	1.21	0.68	0.05	0.08	1.50	2.50	2.91		
	Satkania	0.35	0.92	3.30	2.39	...	...	2.17	0.48	1.04	3.85	3.35	...	3.86	0.90	0.40	0.90	0.40	2.45	4.00	
	Kodala	0.32	0.41	1.51	3.25	1.93	1.32	0.16	0.12	1.26	0.71	2.25	0.13	0.32	0.94	0.85	0.37	1.34	3.48	3.33		
Tippera	Mirsarai	...	...	0.75	1.90	2.25	1.10	0.40	0.31	3.30	2.21	3.00	0.66	0.75	0.71	1.20	2.50	3.95	2.00	1.20	
	Comilla	...	...	0.43	...	1.10	1.75	0.50	0.02	0.16	0.09	0.71	1.96	...	1.05	0.14	0.10	2.61	1.19	0.20	
	Chandpur	0.15	0.65	0.25	0.42	0.55	0.53	0.40	1.07	0.35	0.40	1.20	0.07	0.17	1.15	0.37	0.17	1.30	0.30	1.07		
	Brahmanbaria	0.53	0.02	...	0.13	...	1.30	0.54	0.02	...	0.08	0.90	0.02	0.29	0.14	0.27	0.18	0.15	0.45	1.25		
	Ramchandrapur	0.05	0.10	...	...	0.80	0.50	0.84	...	0.18	1.79	0.05	0.28	0.25	1.31	0.21	0.08	0.44	3.55	0.94	
Chittagong Hill Tracts	Nasirabad	0.40	0.68	...	...	2.80	0.22	0.38	...	...	...	1.05	...	...	...	0.48	...	0.16	0.73	...	
	Daudkandi	0.50	0.22	0.24	...	0.57	0.24	1.30	0.60	0.40	1.52	0.30	0.47	0.65	0.75	0.77	0.17	...	...	0.50	
	Kasba	...	...	...	0.40	1.20	1.13	0.85	...	...	...	0.85	0.28	...	...	1.32	...	...	1.21	2.10	
	Laksam	0.03	0.11	0.27	0.10	0.85	1.72	0.32	0.05	...	0.05	0.21	2.02	0.18	1.30	0.13	0.16	0.21	4.65	0.70		
	Noakhali	0.02	0.74	0.86	...	0.05	1.34	2.52	0.45	0.02	0.38	0.62	0.50	1.25	1.30	1.35	0.95	1.20	0.42	3.90		
Chittagong Hill Tracts	Feul	0.12	0.06	0.45	0.62	0.09	1.55	2.80	3.22	0.24	1.77	0.73	0.35	1.70	0.67	1.60	0.67	0.34	1.05	0.45		
	Harishpur	...	0.29	0.34	0.06	1.97	1.65	0.58	1.42	0.37	1.64	0.91	1.37	0.89	0.35	0.95	0.16	3.23	2.91	3.25		
	Ramganj	...	...	0.40	0.10	1.53	0.17	0.43	0.93	0.19	0.95	0.71	0.34	0.31	1.61	0.38	0.70	3.76	3.53	4.81	
	Chhaganaya	...	...	0.40	0.																

BENGAL FOR THE MONTH OF JULY 1919—*concl'd.*

21	22	23	24	25	26	27	28	29	30	31	No. of rainy days.	Average number of rainy days.	Total rainfall for the month.	Normal rainfall for the month.	Highest rainfall during the month.	Total rainfall from 1st June up to 31st July 1919.	Normal rainfall from 1st June up to 31st July.	Station.	District.	Division.
6.58	0.88	0.01	...	...	0.05	...	...	...	0.19	0.02	16	14.8	24.84	10.86	6.38	36.13	21.06	Malda, Chanchal, Gazol, Sthganj, Gomastapur, Nawabganj.	Malda	Rajshahi.
2.16	...	...	...	0.67	3.75	0.05	0.07	...	0.09	0.72	20	17.5	24.92	13.73	3.47	34.63	28.09	Munshiganj, Dacca.	Dacca	Dacca.
0.76	...	...	...	1.00	1.08	...	0.05	...	0.24	0.03	17	17.6	17.66	12.68	3.33	23.85	26.57	Nawabganj, Narayanganj, Narayanganj, Manikganj, Joydohpur, Kapasia.		
0.95	...	...	...	0.70	0.20	...	...	...	1.15	...	13	13.9	11.04	13.69	1.62	19.62	29.90			
0.94	...	...	...	2.33	1.60	0.64	0.08	...	0.14	0.11	18	17.7	21.04	13.78	6.26	29.36	27.69			
0.95	...	...	...	0.06	2.00	...	0.60	...	...	0.69	16	18.0	10.99	11.01	2.00	17.17	27.22			
2.41	...	...	...	1.85	2.48	...	0.16	0.05	0.80	0.02	18	15.9	12.85	11.51	3.61	25.78	23.04			
1.02	...	...	...	2.65	1.11	...	0.13	...	...	0.16	20	17.4	18.38	12.98	3.48	23.21	27.23			
1.35	...	...	...	0.20	0.30	0.30	0.25	...	0.15	0.20	21	18.8	10.86	14.29	1.60	15.73	29.37			
0.60	0.23	...	...	0.05	4.17	...	...	...	...	...	20	17.2	54.01	14.23	5.18	50.97	32.55	Kishorganj, Atia (Tangail), Sarisabari, Mymensingh, Jarnapur, Neteokona, Pingna, Durgapur, Sherpur (Tangail).	Mymensingh	Dacca.
2.44	...	...	...	...	1.70	...	...	...	0.80	0.09	19	13.7	28.93	10.94	10.63	31.19	22.35			
3.35	1.34	...	0.22	0.40	1.62	0.65	0.02	...	...	...	25	19.2	21.33	16.16	5.12	34.66	35.22			
4.83	0.04	0.02	...	1.50	0.13	...	...	...	...	0.06	19	16.9	18.99	13.95	4.85	32.45	29.03			
1.20	...	...	0.06	2.45	0.29	...	0.02	...	...	...	23	21.2	22.21	13.05	3.69	41.24	43.57			
6.00	0.05	...	...	0.71	0.14	...	...	...	0.05	0.21	16	18.2	15.43	9.47	6.00	28.35	22.17			
3.03	...	...	...	...	...	...	...	...	...	0.19	14	18.3	9.29	17.80	2.03	11.82	33.27			
2.00	...	...	...	0.47	...	0.05	...	...	...	...	17	18.8	20.45	14.17	4.77	35.05	30.09	Dewanganj, Nalibari.		
3.00	0.05	...	...	...	...	...	...	...	...	0.15	22	18.6	23.64	20.28	3.50	39.68	41.91			
1.55	...	...	...	0.09	0.53	1.13	...	...	0.49	0.34	24	17.1	2.14	12.46	4.25	36.02	25.22	Madaripur, Faridpur, Rajbari (Goalando), Haridaspur, Takerhat, Bhanga, Panga, Ballakandi, Bhuma, Fatoug.	Faridpur	
1.97	1.01	0.09	...	0.60	1.95	...	...	...	0.16	0.14	20	17.2	15.55	12.75	3.01	21.43	25.82			
2.71	0.05	...	...	0.37	1.25	...	...	...	...	0.11	19	15.2	15.51	10.94	3.72	26.18	23.35			
1.43	0.01	...	...	0.03	0.02	0.15	...	...	0.03	0.15	19	17.6	15.60	12.84	4.40	29.30	27.22			
2.51	0.07	0.02	...	...	0.52	0.12	0.30	...	0.41	0.13	19	16.9	20.77	13.20	3.50	32.10	33.28			
2.10	...	...	1.86	1.03	...	0.25	...	0.50	0.05	...	20	16.2	25.78	10.06	2.95	43.91	23.22			
0.75	...	...	0.21	...	0.70	0.12	...	...	0.13	0.27	22	18.4	20.22	12.12	8.66	32.65	26.98			
0.41	0.11	...	...	1.64	0.47	...	0.04	...	0.04	0.11	19	17.0	18.38	12.08	3.60	27.06	26.15			
0.42	...	0.04	...	0.43	0.22	...	0.10	0.47	...	0.45	21	17.4	15.36	10.69	2.48	20.05	24.43			
2.53	...	...	...	...	1.55	1.09	...	...	0.59	0.16	22	20.2	24.46	15.96	4.00	40.40	35.68			
0.30	...	...	0.45	2.47	0.55	0.07	0.00	...	...	0.15	25	22.3	41.04	21.57	10.13	59.64	43.35	Patnakhali, Barguna, Pirojpur, Barisal, Gaurnadi, Bhola, Daulatkhan, Bauphal.	Bakarganj	
...	...	...	0.61	...	...	...	...	...	...	...	20	22.0	30.67	22.47	5.13	40.68	43.27			
0.53	0.11	0.12	0.05	1.10	0.18	...	...	...	0.09	0.26	23	20.2	22.26	16.93	5.55	34.14	31.29			
0.64	...	0.15	...	0.82	0.97	0.03	...	...	0.80	...	23	20.6	28.80	16.95	5.80	43.35	32.64			
1.00	...	0.30	...	...	...	0.18	...	...	0.40	0.15	24	18.7	28.69	13.71	5.25	40.54	27.63			
0.50	0.08	...	...	1.10	0.06	0.08	...	...	0.90	0.02	22	21.5	20.91	17.56	4.60	43.83	36.19			
0.20	0.05	...	0.05	...	0.13	0.02	0.04	...	0.52	0.40	20	20.3	21.00	18.15	4.03	45.67	40.44			
...	...	...	0.13	...	...	...	...	...	0.21	3.21	21	21.1	39.02	18.82	5.59	62.10	35.95			
0.02	...	...	...	0.11	0.08	0.07	...	0.04	...	0.13	21	23.2	36.82	58.13	5.50	73.69	68.22	Cox's Bazar, Chittagong, Kutubdia, Satkania, Kodala, Misrai.	Chittagong	
2.57	...	...	...	...	0.20	0.34	4.10	0.02	...	0.23	24	19.2	38.27	23.62	4.60	56.67	45.49			
0.07	...	...	...	...	...	...	...	0.28	0.20	0.38	19	20.8	36.95	28.78	5.50	69.39	51.68			
...	...	...	0.40	...	...	0.61	0.41	...	0.11	0.61	22	19.6	34.07	24.27	4.00	54.35	43.65			
...	...	...	0.28	0.03	0.22	7.00	...	0.22	...	0.35	25	20.8	33.29	20.24	7.00	47.31	35.04			
...	...	...	...	0.51	0.50	1.28	...	1.10	1.20	...	22	20.5	33.07	25.74	3.95	59.94	49.33			
0.03	...	...	...	...	0.05	0.50	0.72	...	0.70	0.20	18	18.6	20.14	15.65	5.67	37.54	23.70	Comilla, Chandpur, Brahmanbaria, Ramchandrapur, Nasiragar, Dandakandi, Kasba, Laksam.	Tippera	
1.55	...	...	...	...	0.07	0.21	0.06	...	0.28	...	22	19.5	17.79	14.29	4.10	32.73	29.82			
0.20	...	...	...	1.91	1.68	0.04	0.24	...	0.04	0.68	18	16.4	13.77	11.23	2.26	19.15	27.10			
...	...	...	0.71	0.50	0.33	0.13	...	...	0.08	0.14	19	14.2	12.51	12.97	3.68	29.06	29.25			
...	...	...	0.13	2.14	...	...	...	0.25	...	1.35	14	15.7	14.11	11.89	2.40	29.81	28.15			
0.92	...	...	...	1.52	1.30	...	...	...	...	1.00	21	15.5	14.79	18.15	1.52	29.45	27.53			
0.91	...	...	0.25	0.83	...	0.53	...	1.20	0.44	0.32	15	15.9	15.64	11.82	2.10	33.73	27.42			
0.08	...	...	...	0.80	0.44	0.94	1.92	...	2.06	0.03	21	17.0	24.62	18.69	5.03	42.47	35.12			
0.34	...	...	...	0.02	0.64	0.22	0.43	...	0.74	0.04	20	22.8	25.86	24.58	6.36	51.70	48.05	Noakhali, Feni, Harishpur, Ramganj, Chittagahaya, Hatiya, Lakshmipur.	Noakhali	
0.18	...	...	...	...	1.08	1.45	1.46	...	...	0.09	21	21.6	28.66	24.38	6.02	51.98	47.46			
...	...	...	0.09	...	0.25	0.18	0.36	...	0.07	0.05	22	21.4	28.02	28.97	5.01	49.78	51.17			
...	...	...	0.25	...	0.52	...	...	...	...	0.29	21	20.0	22.78	16.96	4.51	48.48	35.45			
0.45	...	...	...	...	...	0.50	2.56	...	...	...	19	20.2	25.28	24.03	3.38	47.88	44.59			
0.45	...	...	...	...	0.89	0.99	0.32	...	0.51	0.03	24	22.7	41.04	27.39	6.66	66.63	49.54			
0.25	...	...	...	0.12	...	0.16	0.07	...	0.29	...	19	20.9	22.55	20.19	5.25	52.40	40.50			
0.71	...	0.17	...	0.81	0.06	0.61	2.38	...	0.28	0.11	26	21.9	21.88	18.84	2.48	34.49	26.68	Rangmati, Bandarban, Baral, Mahincheri, Lama, Ramgarh.	Chittagong Hill Tracts	
0.25	...	0.27	...	...	...	0.44	1.43	...	2.15	0.56	24	21.4	25.40	21.51	3.67	41.56	41.57			
...	...	...	0.11	...	0.70	0.52	2.16	...	0.40	0.18	25	22.9	18.15	21.29	3.16	32.85	41.00			
0.20	...	...	0.35	0.22	0.08	0.25	...	0.19	0.21	0.20	26	(n)	25.21	(n)	3.30	29.77	(n)			
...	0.04	0.70	0.20	0.20	0.17	1.01	0.11	1.02	0.18	0.11	27	(n)	35.69	(n)	5.98	58.99	(n)			
...	...	...	0.35	0.27	0.20	0.53	...	0.04	0.12	0.18	25	(n)	21.62	(n)	3.90	33.14	(n)			
0.02	0.25	...	0.13	2.09	0.13	0.25	...	0.92	0.75	0.22	31	16.7	14.29	12.14	3.06	24.02	37.61	Agartala.	Hill Tippera	
1.75	1.57	3.10	2.26	0.74	0.72	...	...	...	0.36	0.01	32	16.9	25.18	18.99	3.26	51.91	45.11	Dinbata, Cooch Behar, Mickiganj, Mathabhang, Fulbari, (Tufanganj).	Cooch Behar	Cooch Behar.
2.14	4.22	1.82	1.59	0.30	0.31	0.23	...	...	0.07	0.10	22	18.6	27.97	27.59	4.22	60.03	59.37			
1.45	0.43	0.48	0.53	1.30	...	...	...	...	...	...	23	18.4	19.75	23.50	2.70	42.13	48.04			
1.29	1.03	0.04	0.25	0.28	0.01	0.16	...	...	0.06	0.33	19	18.5	20.11	26.04	6.05	50.17	53.79			
2.30	1.47	1.21	2.32	1.47	0.45	0.63	...	...	0.08	...	30	18.4	32.49	27.37	6.47	62.24	155.09			

(N) Not ascertained.

J. C. ROY,
for Director of Agriculture, Bengal.

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 14th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAYS HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	8th Aug. 1919...	6 A.M. ...	19.57'	101.83'	121.40'	0.60'	...	127.30'	116.00'
	Rajmahal ...	8th " " "	6 " "	21.60'	56.319'	77.919'	0.35'	...	84.76'	74.51'
	Goalundo ...	8th " " "	8 hours ...	21.00'	...	...	0.40'	...	23.90'	21.20'
Prabhuaputra	Ganhati ...	8th " " "	8 A.M. ...	17.90'	148.76'	166.65'	0.10'	...	175.26'	174.56'
	Seraiganj ...	8th " " "	12 hours ...	36.30'	...	...	0.10'	...	...	...
	Dibrugarh ...	8th " " "	8 A.M. ...	15.00'	...	...	0.20'	...	...	...
Meghna	Bhairab Bazar ...	8th " " "	6 hours ...	16.17'	1.61'	17.78'	...	0.16'	...	...
	Chandpur ...	8th " " "	15.45 " "	11.25'	1.61'	12.86'	...	0.33'	...	...
	Fenchuganj ...	8th " " "	7 A.M. ...	23.20'	...	...	...	0.10'	...	...
Dhaleswari	Sabhar ...	8th " " "	7 " "	27.10'	-8.62'	18.48'	...	0.10'	...	...
Bhagirathi	Swarupganj ...	8th " " "	6 " "	19.90'	1.509'	21.409'	0.39'	...	28.98'	14.71'
Damodar	Edilpur ...	8th " " "	6 " "	14.17'	92.58'	106.75'	4.42'	...	...	...
Lakhya	Narayanganj ...	8th " " "	...	21.42'	-5.59'	15.83'	Steady	...	...	...
Madaripur Bil Route	Takerhat ...	8th " " "	6 A.M. ...	12.60'	-0.599'	12.001'	...	0.20'	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 14th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Values of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	10th Aug. 1919	23.77	101.83	125.60	2.50	...	126.70	117.50	
	... Rajmahal ...	10th " "	23.95	56.319	80.269	1.85	...	85.01	76.26	
	... Goalundo ...	10th " "	20.60	...	...	...	0.10	24.00	21.40	
Brahmaputra	Gauhati ...	10th " "	17.70	148.76	166.46	Steady		173.76	176.56	
	... Seraiganj ...	10th " "	35.80	...	...	...	0.30	...	...
	... Dibrugarh ...	10th " "	15.35	...	...	0.15	...	...	...
Meghna	Bhairab Bazar ...	10th " "	15.83	1.61	17.44	...	0.25	...	...
	... Chandpur ...	10th " "	11.50	1.61	13.11	0.25	...	...	...
	... Fenchuganj ...	10th " "	22.80	...	...	...	0.20	...	...
Dhaleswari	... Sabhar ...	10th " "	26.30	- 8.62	17.68	...	0.40	...	...
Bhagirathi	... Swarnaganj ...	10th " "	20.98	1.509	22.489	0.41	...	28.93	17.81	
Damodar	... Edilpur ...	10th " "	13.75	92.58	106.33	...	2.75	...	...
Lakhya	... Narayanganj ...	10th " "	20.60	- 5.59	15.01	...	0.13	...	...
Madaripur Bil Route	... Takerhat ...	10th " "	12.40	- 0.599	11.801	...	0.10	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 14th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.		
						Rise.	Fall.	1917.	1918.			
Ganges	...	Monghyr	...	11th Aug. 1919	6 A.M. ...	24.67'	101.83'	126.50'	0.90'	...	126.40'	117.70'
	...	Rajmahal	...	11th "	6 "	25.10'	56.319'	81.419'	1.15'	...	84.91'	76.91'
	...	Goalundo	...	11th "	8 hours ...	21.00'	...	...	0.40'	...	23.90'	21.70'
Brahmaputra	...	Gauhati	...	11th "	8 A.M. ...	17.60'	148.76'	166.36'	...	0.10'	173.36'	176.66'
	...	Seraiganj	...	11th "	12 hours ...	35.70'	...	...	...	0.10'	...	...
	...	Dibrugarh	...	11th "	8 A.M. ...	15.00'	...	...	...	0.35'	...	...
Meghna	...	Bhairab Bazar	...	11th "	6 hours ...	15.67'	1.61'	17.28'	...	0.16'	...	...
	...	Chandpur	...	11th "	6-20 "	11.17'	1.61'	12.78'	...	0.33'	...	...
	...	Fenchuganj	...	11th "	7 A.M. ...	22.60'	...	...	...	0.20'	...	...
Dhaleswari	...	Sabhar	...	11th "	7 "	26.10'	-8.62'	17.48'	...	0.20'	...	...
Bhagirathi	...	Swarupganj	...	11th "	6 "	21.57'	1.509'	23.079'	0.59'	...	28.83'	19.52'
Damodar	...	Edilpur	...	11th "	6 "	12.50'	92.58'	105.08'	...	1.25'	...	...
Lakhya	...	Narayanganj	...	11th "	...	21.00'	-5.59'	15.41'	0.40'	...	...	...
Madaripur Bil Route	...	Takerhat	...	11th "	6 A.M. ...	12.20'	-0.599'	11.601'	...	0.20'	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 14th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	12th Aug. 1919	6 A.M.	25.27'	101.83'	127.10'	0.60'	...	126.10'	117.70'
	... { Rajmahal ...	12th "	6 "	25.80'	56.319'	82.119'	0.70'	...	84.96'	77.06'
	... { Goalundo ...	12th "	8 hours	21.60'	...	...	0.60'	...	23.90'	22.00'
Brahmaputra	Gauhati ...	12th "	8 A.M.	17.70'	148.76'	166.46'	0.10'	...	172.76'	176.96'
	... { Serajganj ...	12th "	12 hours	35.70'	...	...	steady	...	...	...
	... { Dibrugarh ...	12th "	8 A.M.	15.40'	...	...	0.40'	...	...	...
Meghna	Bhairab Bazar	12th "	6 hours	15.58	1.61'	17.19'	...	0.09'	...	...
	... { Chandpur ...	12th "	7 "	11.50'	1.61'	13.11'	0.33'	...	...	...
	... { Fenchuganj ...	12th "	7 A.M.	22.40'	...	...	...	0.20'	...	...
Dhaleswari	... Sabhar ...	12th "	7 "	25.90'	- 8.62'	17.28'	...	0.20'	...	...
Bhagirathi	... Swarupganj ...	12th "	6 "	22.86'	1.509'	24.369'	1.29'	...	28.70'	21.45'
Damodar	... Edilpur ...	12th "	6 "	11.83'	92.58'	104.41'	...	0.67'	...	...
Lakhya	... Narayanganj	12th "	...	21.04'	- 5.59'	15.45'	0.04'	...	...	...
Madaripur Bil Route	Takerhat ...	12th "	6 A.M.	12.20'	- 0.599'	11.601'	steady	...	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 14th August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARISON WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	13th Aug. 1919	6 A.M.	25.27'	101.83'	127.10'	steady	125.70'	117.90'	
	... Rajmahal ...	13th " "	6 "	26.40'	56.319'	82.719'	0.60'	84.76'	77.21'	
	... Goalundo ...	13th " "	8 hours	21.90'	...	...	0.30'	23.90'	22.10'	
Brahmaputra	Gauhati ...	13th " "	8 A.M.	17.90'	148.76'	166.66'	0.20'	172.26'	177.76'	
	... Serajganj ...	13th " "	12 hours	35.60'	...	...	0.10'	...	...
	... Dibrugarh ...	13th " "	8 A.M.	15.30'	...	...	0.10'	...	...
Meghna	Bhairab Bazar ...	13th " "	6 hours	15.42'	1.61'	17.03'	0.16'	...	...
	... Chandpur ...	13th " "	7.30 "	12.00'	1.61'	13.61'	0.50'	...	...
	... Fenchuganj ...	13th " "	7 A.M.	22.30'	...	...	0.10'	...	...
Dhaleswari	... Sabhar ...	13th " "	7 "	25.80'	- 8.62'	17.18'	0.10'	...	...
Bhagirathi	... Svarupganj ...	13th " "	6 "	24.66'	1.509'	26.169'	1.80'	28.63'	23.10'	
Damodar	... Edilpur ...	13th " "	6 "	15.50'	92.58'	108.08'	3.67'	...	...
Lakhya	... Narayanganj ...	13th " "	...	21.04'	- 5.59'	15.45'	steady	...	...
Madaripur Bil Route	... Takerhat ...	13th " "	6 A.M.	12.20'	- 0.599'	11.601'	steady	...	...

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalla for the week ending the 9th August 1919.

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
3rd August	8 A.M.	Zero of gauge is at mean sea-level.	56.00	53.01	B. M. on College step corrected (P. W. D.) 64.93.
4th "	8 "		55.60	53.01	
5th "	8 "		55.30	52.71	
6th "	8 "		55.40	52.66	
7th "	8 "		55.40	53.11	
8th "	8 "		55.60	53.41	
9th "	8 "		56.00	54.26	

(a) Datum corrected by adding 1.51 to the value of zero, vide Superintending Engineer's No. 2876, dated 8-33-17, dated 10th May 1919, and Bengal Government, Public Works Department, Irrigation Branch, Resolution No. 4521, dated 17th February 1919.

			Old value.	According to P. W. D. datum (a)
The previous year	...	Highest water-level	66.52 on 30th August 1918	61.71
Ditto	...	Lowest "	41.70 on 21st April 1918	36.89
Record	...	Highest "	69.25 on 26th August 1879	64.44
Do.	...	Ditto "	69.08 on 9th September 1885	64.27
Do.	...	Ditto "	68.30 on 25th August 1906	63.47
Do.	...	Ditto "	68.21 on 26th August 1890	63.40
Do.	...	Lowest "	37.65 on 25th April 1884	32.82
Do.	...	Ditto "	38.13 on 14th—15th April 1883	33.32
Do.	...	Ditto "	39.02 on 21st—22nd April 1897	34.21
Do.	...	Ditto "	39.28 on 6th—7th May 1908	34.47

N. B.—The gauge-readings commenced from the 1st August 1887.

BOALLA,
The 9th August 1919.

S. C. BHATTACHARJI,
for Executive Engineer, Rajshahi Divn.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 9th August 1919.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
3rd August	7 A.M.	22.5	22.5	21.8	Zero is placed at mean sea-level. The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chardpore ghât. Its reduced level is 22.41.
4th "	7 "	22.0	22.0	21.4	
5th "	7 "	21.5	21.5	21.2	
6th "	7 "	21.1	21.1	21.3	
7th "	7 "	21.4	21.4	21.3	
8th "	7 "	21.0	21.0	21.2	
9th "	7 "	20.7	20.7	21.4	

The previous year	...	Highest water-level	...	25.2 on 1st September 1918.
Ditto	...	Lowest "	...	5.3 on 9th March 1918.
Record (H.F. in Brahmaputra and Ganges)	...	Highest "	...	25.75 on 28th August 1906.
Record (average flood in Brahmaputra and Ganges)	...	Ditto "	...	25.74 on 20th and 21st August 1893.
Record (H.F. in Brahmaputra and Ganges)	...	Ditto "	...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.
Record (H.F. in Brahmaputra only)	...	Ditto "	...	25.66 on 31st July 1900.
Do.	...	Lowest "	...	1.0 on 8th February 1914.
Do.	...	Ditto "	...	2.42 on 13th March 1908.
Do.	...	Ditto "	...	2.91 on 21st to 24th February and 8th to 9th March 1884.
Do.	...	Ditto "	...	3.16 on 9th to 11th March 1885.
Do.	...	Ditto "	...	3.16 on 16th, 17th and 29th to 31st March 1901.

N. B.—The gauge-readings commenced from 3rd October 1909.

FARIDPUR,
The 11th August 1919.

M. L. MOITRA,
for Subdivisional Officer, P. W. D., Faridpur

**Statement showing the gauge-readings at Dacca Water-works Station
on the river Buriganga for the week ending the 9th August 1919.**

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 6 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
3rd Aug.	66.55	...	...	...	...	66.45	Falling.
4th "	66.2	...	...	...	...	66.0	Do.
5th "	65.75	...	...	...	...	65.6	Do.
6th "	65.45	...	...	...	...	65.25	Do.
7th "	65.2	...	...	...	...	65.1	Do.
8th "	65.1	...	...	...	...	65.9	Do.
9th "	64.8	...	...	...	...	64.6	Do.

Notable high and low water-levels of previous years.

27th August	1906	70.5	} Taken at high tide.
5th September	1909	...	...	...	...	67.86
10th August	1910	...	...	...	...	69.86
1st "	1911	...	...	...	...	68.46
13th "	1912	...	...	...	...	67.16
31st "	1915	...	...	...	...	69.7
18th "	1916	68.1	} Taken at low tide.
12th "	1917	...	...	...	...	67.1
31st "	1918	...	...	...	...	69.12
23rd February	1907	...	...	...	...	51.06
13th "	1908	...	...	...	...	51.06
12th March	1912	...	...	...	...	51.06
4th "	1914	50.60	} Taken at low tide.
22nd February	1915	...	...	...	...	50.30
15th "	1916	...	...	...	...	50.60
3rd March	1917	...	...	...	...	51.0
21st February	1918	51.40	

DACCA,
The 13th August 1919.

W. J. KERR,
Executive Engr., Dacca Division.

INCOME-TAX STATISTICS FOR THE YEAR 1918-19.**NOTIFICATION.**

No. 2425 S.R.—The 19th August 1919.—The following statistical return relating to the administration of the Income-tax Department in Bengal, for the year 1918-19 is published for general information.

C. F. PAYNE,

Secy. to the Govt. of Bengal.

Collections of Income-tax in the year 1918-19.

Serial No.

Amount of tax.

Rs.

VIII.—INCOME-TAX.

Salaries—

1 Paid by Government ... 7,34,258

2 Paid by local authorities ... 1,05,097

3 Paid by companies, other public bodies and associations ... 12,52,188

4 Paid by private employers under an agreement with the Collector ... 4,65,525

Interest on securities—

5 On securities of the Government of India ... 54,605

6 On debentures and other securities of a local authority or company ... 4,05,890

7 Income derived from house property ...

8 Income derived from business ...

9 Professional earnings ...

Income derived from other sources—

10 Salaries not included in items 1 to 4 ...

11 Other sources ...

12 Total ... 2,00,58,228

13 Excess collections and advance payments ... 6,174

Arrears—

14 * Collections under section 25 ... 518

15 Other arrears of previous years ... 22,13,149

Penalties—

16 Penal assessments under section 24. (Only amount collected as penalty to be shown) ... 624

17 Penal recoveries under section 36 (1). (Only amount recovered as penalty to be shown) ... 7,382

18 Other penalties and fines ... 7,135

19 Miscellaneous receipts ... 10,112

20 Total of items 12 to 19 ... 2,23,03,322

1. REFUNDS AND DRAWBACKS, INCOME-TAX.

Refunds of tax—

21 On interest on securities under section 37 ... 6,277

22 On dividends of companies under section 37 ... 1,388

23 To partners of firm under section 37 ...

24 On adjustments under section 19 ...

25 On rectification of mistake under section 26 ... 724

26 Other refunds ... 1,33,118

27 Total Refunds ... 1,41,507

28 Net collections (item 20 minus item 27) ... 2,21,61,815



The Calcutta Gazette

WEDNESDAY, AUGUST 27, 1919.

SUPPLEMENT.

OFFICIAL PAPERS.

[Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]

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RESOLUTION ON THE RECOMMENDATIONS OF THE PUBLIC SERVICES COMMISSION, REGARDING THE SANITARY DEPARTMENT.

GOVERNMENT OF BENGAL.

MUNICIPAL DEPARTMENT.

Sanitation Branch.

CALCUTTA, THE 22ND AUGUST 1919.

RESOLUTION No. 894San.

READ—

The Report of the Royal Commission on the Public Services in India.

THE recommendations of the Public Services Commission made in Chapter XI of Annexure XII, regarding the Sanitary Department, are under the consideration of the Governor in Council, and this Resolution is published in order to give the public an opportunity of expressing their views on the

formation and conditions of service of a public health service and on the question of recruitment for the higher administrative posts of that service.

2. The creation of a well-organized public health service is recognized as being a matter of the first importance. It is for the Imperial Government on the one hand to provide facilities for research into the epidemiology of disease and to place trained scientists who have made a special study of the causation and prevention of particular maladies at the service of the provincial Governments at times of unusual epidemics.

The organization of a public health staff is, on the other hand, a duty which devolves upon the local Governments. It has been pointed out that medical research in its relation to public health has outstripped the means for applying it and that what is required is to strengthen and, above all, to direct and organise the small band of sanitary officers in whose hands the improvement of the public health is placed. The municipal boards of this presidency have already appointed qualified medical officers of health or sanitary inspectors to advise them on the highly specialised problems of public health; a medical officer of health will shortly be added to the staff of each district board.

There will then exist in this Presidency the nucleus of a trained public health service. The appointment and recruitment of this staff on which the future sanitary progress of Bengal will so largely depend, raise three important questions on which the Governor in Council desires to ascertain the views of those interested in problems of public health :—

- (a) the manner of selection and appointment of public health officers ;
- (b) their status and conditions of service ; and
- (c) the sources of recruitment for the higher administrative posts of the département.

In reference to (a), the Governor in Council has in contemplation the formation of a Bengal Advisory Board of Health, composed entirely of experts and containing a strong Indian element. It is suggested that the selection of candidates for the Department of Public Health might suitably form part of their functions. The question of the status and the conditions of service (b) of public health officers raises an important issue. It has been proposed that there should be in each province a general cadre from which local bodies should, through the medium of the Advisory Board of Public Health, obtain their medical officers of health. It is urged that the best means of securing an efficient public health department is the provincialization of the service. The officers employed by municipalities or district boards would be under the complete executive control of these bodies ; their appointment, promotion suspension or dismissal would rest finally with the Advisory Board of Public Health. The preferences and dislike of local bodies, their award of praise or blame would receive the fullest consideration from the Advisory Board, but the fixity of tenure in his office which is necessary to ensure the independence and activity of a medical officer of health or sanitary inspector can, it is suggested, be only secured by the creation of a provincial cadre, the officers of which will be lent to local bodies, as assistant and sub-assistant surgeons are now deputed to work under dispensary committees.

It is recognized that such a proposal is not in accord with the accepted policy of relaxing outside control over local establishments and (subject to certain safeguards) of allowing local bodies, who pay for a staff, to appoint and dismiss it, but it is urged that in the case of the public health service this policy must yield to the necessity of enabling these officers to discharge their often unpopular duties in a fearless and impartial manner. In the United Kingdom it has been sought to achieve this end by requiring the sanction of the Local Government Board to the dismissal of medical officers of health employed by local bodies, but this control has not proved effective, and in view of the likelihood of a wide extension of a public health organisation

throughout the presidency at an early date, the Governor in Council is led to consider whether it would not be wise to anticipate evils which have already arisen in England and which, under a similar system, will no doubt arise in India.

3. The higher administrative posts, which the service will possess, will be those of the Sanitary and Deputy Sanitary Commissioners whose designations, it is proposed, might suitably be changed to "Director" and "Assistant Director", Public Health. These posts are at present filled by recruiting (1) members of the Indian Medical Service and (2) qualified private persons who do not belong to that service. The Commission desired that the employment of an Indian agency for the development of the sanitary administration in this country should be encouraged as much as possible. They recommended that facilities should be provided to enable statutory natives of India to obtain a diploma in public health and instruction on tropical hygiene without going to Europe, and the Governor in Council is in complete accord with the Commission in this matter. Courses in public health have already been established which will enable local bodies to obtain trained sanitarians as medical officers of health. It is, however, to be determined what qualifications the Assistant Directors of Public Health should be required to possess, and whether all such posts should be open to men recruited in India, or whether any fixed proportions should be laid down for Indians and non-Indians, or for members of the Indian Medical Service, or persons not belonging to that service.

It is pointed out that the large war reserve, which must be maintained for such a service as the Indian Medical Service, must, for reasons of economy, be largely utilized in civil appointments during times of peace, and it is contended that the administrative experience and training in sanitary work which the officers of this service acquire must form the backbone of the higher administration of public health. On the other hand, it is urged that the Sanitary Department is by no means popular with the Indian Medical Service and that there is no reason why the public health service should not be Indianized from top to bottom, if proper facilities for the study of tropical medicine and of tropical hygiene are provided in India. Some general principle must be enunciated, but it may be convenient to state that principle with such elasticity as to allow the Advisory Board ample latitude in its application.

4. The question of the pay of Indian Medical Service officers in the department of Public Health will depend in the main upon the rates fixed for officers of that service generally.

Whether the present rate of pay for non-Indian Medical Service members, accompanying high administrative posts, is inadequate to attract and retain men of the right stamp is a matter for consideration. It is suggested that in any case the engagement of such officers or at least a five-year agreement, with provident fund benefits, is desirable.

5. It is requested that any suggestions or criticisms which any person or body of persons interested may desire to offer on the above questions may be forwarded to the Secretary to the Government of Bengal, Municipal Department, not later than the 7th September 1919.

By order of the Governor in Council,

S. W. GOODE,

Offg. Secy. to the Govt. of Bengal.

**RESOLUTION ON THE BUDGET ESTIMATE OF THE HOWRAH
BRIDGE, 1919-20.**

GOVERNMENT OF BENGAL.

MARINE DEPARTMENT.

Marine Branch.

CALCUTTA, THE 25TH AUGUST 1919.

RESOLUTION.—No. 2678 Marine.

READ—

Letter from the Vice-Chairman, Port Commissioners, Calcutta, No. 11846, dated the 20th February 1919, submitting the Budget Estimate of income and expenditure of the Howrah Bridge for the year 1919-20.

Receipts.—The total receipts during the year are estimated at Rs. 3,70,000 as compared with Rs. 3,35,000 the revised estimate for 1918-19. In view of the actual earnings, viz., Rs. 1,00,646 from August to November 1918, from the East Indian Railway traffic to and from Howrah, which is the main source of revenue of the Bridge, the receipts under this head during the year have been placed at Rs. 3,00,000 as against Rs. 2,65,000 during 1918-19.

Expenditure.—The total expenditure is estimated at Rs. 3,27,226 as against Rs. 2,64,217 the estimate, and Rs. 2,78,790 the revised estimate, for 1918-19. The increase in expenditure is due to the provision of Rs. 49,000 on account of heavy repairs to the two Bridge steamers *Howrah* and *Buckland*.

The anticipated surplus of Rs. 42,774 will be utilised in reducing the debt of the Bridge to the Port Commissioners, which it is estimated will stand at Rs. 5,29,419 on the 31st March 1920, as against Rs. 5,59,379, on the 31st March 1919.

2. The Governor in Council approves the Budget Estimate under section 21 of the Howrah Bridge Act, 1871.

By order of the Governor in Council,

F. A. A. COWLEY,

Secy. to the Govt. of Bengal.

**REPORT OF THE HONORARY COMMITTEE FOR THE
MANAGEMENT OF THE ZOOLOGICAL GARDEN, CALCUTTA,
FOR THE YEAR 1918-19.**

NOTIFICATION.

No. 2238 P.D.—The 19th August 1919.—The following extracts from the Annual Administration Report of the Zoological Garden, Calcutta, for the year 1918-19 and the Government letter No. 2236 P.D., dated the 19th August 1919, acknowledging the receipt of the Report are published for general information.

J. H. KERR,

Chief Secy. to the Govt. of Bengal.

THE Honorary Committee have the honour to submit their report for the year ending 31st March 1919, the contents of which, as usual, include, among other items,—

- (1) The Superintendent's report upon the Zoological collection.
- (2) Monthly returns of visitors and a list of donors and their donations.
- (3) Abstract of accounts of ordinary receipts and expenditure.

The Committee consisted of—

President :

The Hon'ble Mr. C. J. Stevenson-Moore, C.V.O., I.C.S.

Vice-President :

P. L. Backland, Esq., F.Z.S.

Honorary Secretary and Treasurer :

W. K. Dods, Esq., to 28th February 1919.

W. Dods, Esq., from 1st March 1919.

Members of the Committee :

Nominated—

- R. D. Mehta, Esq., C.I.E.
- Dr. Nelson Annandale, B.A., D.Sc., C.M.Z.S.
- W. R. Gourlay, Esq., C.I.E., I.C.S.
- H. J. McIntosh, Esq.
- Nawab Sir Asif Kadr Saiyid Wasif Ali Mirza, Khan Bahadur, Mahabat Jang, Nawab Bahadur of Murshidabad, K.C.S.I., K.C.V.O.
- Lieutenant-Colonel Charles Robert Mortimer Green, M.D., F.R.C.S., I.M.S.
- G. Girard, Esq., I.S.O., F.R.H.S.
- The Hon'ble Sir Bijay Chand Mahtab, K.C.S.I., K.C.I.E., I.O.M., Maharaja-dhiraj Bahadur of Burdwan.
- Shirley Tremearne, Esq.
- David Ezra, Esq.
- W. Dods, Esq.
- Nawab A. F. M. Abdur Rahman, Khan Bahadur.
- Lieutenant-Colonel Sir L. Rogers, Kt., C.I.E., M.D., I.M.S.
- Lieutenant-Colonel C. R. Stevens, M.D., I.M.S.
- C. W. E. Cotton, Esq., I.C.S.
- Lieutenant-Colonel E. H. Brown, I.M.S. (Retired), M.D., D.P.H., F.R.C.S.E.
- H. F. Yeoman, Esq.
- Babu Surendra Nath Laha.

Ex-officio—

- The Commissioners of Divisions in Bengal.
- The Executive Engineer, 2nd Calcutta Division, Public Works Department.
- The Sanitary Commissioner, Bengal.
- The President of the Asiatic Society of Bengal.
- The Director of Public Instruction, Bengal.
- The Natural History Secretary of the Asiatic Society of Bengal.
- The Director of Land Records, Bengal.

The Superintendent, Civil Veterinary Department, Bengal.
 The Professor of Comparative Anatomy and Zoology, Medical College, Bengal.
 The Superintendent of the Royal Botanic Garden, Sibpur.
 The Chairman of the Calcutta Corporation.
 The Principal of the Bengal Veterinary College.

PRINCIPAL EVENTS.

The transfer by the Government of Bengal to the Zoological Gardens of a plot of land including a portion of the road known as Duel Avenue and a piece of the compound of the Meteorological office was effected during the year under review. This plot formed an acute-angled wedge between the former area of the Zoological Gardens and the extension. The inclusion has rounded off the boundary and improved the appearance of the Gardens.

Work on the new extension was steadily carried on. The western portion was enclosed with iron-fencing to form a big paddock for the ruminants. On the south a new enclosure was made for the markhors. Within a high fence a crag-like cement structure was built up round the old survey mark, reproducing a mountain peak in miniature and furnishing the inmates with a colourable imitation of their natural habitat.

The boundary wall of the new extension as well as of the Hermitage along the Alipore Road was reconstructed in connection with the realignment of the Alipore Road which was sanctioned by Government.

IMPROVEMENTS.

Various improvements were carried out during the year. The brick wall round the Hippopotamus enclosure was further raised as the male hippo tried several times to scale it and seemed likely to succeed.

The Tapir enclosure was found insufficient to accommodate the growing number of these animals, and it was thought expedient to make additions to the existing building. New shelters were therefore constructed on the western side of the building facing the lake and the animals have now ample accommodation.

A new segregation shed was built in the Begunbari compound for the accommodation of sick animals.

ANNUAL REPAIRS.

The annual repairs to the buildings of the Garden were carried out departmentally as usual, and a good deal of painting was done during the year to the fences and iron-work.

STAFF AND ESTABLISHMENT.

There was no change in the superior staff except in the case of gate clerk, Babu Panchanan Mukherji, who died on 22nd October 1918. Babu Doyal Chandra Dass, retired gate clerk of the Garden, was appointed in his place as a temporary measure. On 1st January 1919 the services of the Superintendent were recognised by Government by the conferment of the title of Rai Bahadur upon him. The personnel consists of—

SUPERIOR STAFF.

Superintendent.

Mr. Bijay Krishna Basu, G.B.V.C., C.M.Z.S.

Assistant Superintendent.

Babu Somadev Ganguli.

Store-keeper.

Babu Jugal Kishore Roy.

Overseer.

Babu Niranjan Mukerji.

The following comparative table shows how the various collections of specimens in the Gardens have stood during the last four years :—

Year.	Mammals.	Birds.	Reptiles.	Year.	Mammals.	Birds.	Reptiles.
1915-16 ...	351	1,940	198	1917-18 ...	316	2,026	199
1916-17 ...	318	1,975	263	1918-19 ...	299	1,944	171

ACQUISITIONS.

Among other acquisitions the following deserve special mention :—

1 Hooleck ...	Presented by M. Barnett, Esq.	1 Hippopotamus ...	Born.
1 Wreathed Hornbill ...	Presented by E. H. Turner, Esq.	1 Goral ...	Presented by W. K. Dods, Esq.
2 White-tailed Guereza Monkeys.	Purchased.	1 Tiger ...	Presented by the Raja of Khairagarh.
2 Lion Cubs ...	Born.	1 Snow Leopard ...	Purchased.
1 Malabar Langur ...	Presented by F. Thompson, Esq.	1 Great Kangaroo ...	Born.
1 Green Monkey ...	Born.	1 Barasingha Deer ...	Presented by Lady C. Tottenham.
8 Ostriches ...	Purchased.	1 Black Leopard ...	Presented by Hassimuddin Hassam, Esq.
2 Brow-antlered Deer ...	Presented by V. H. F. Clarke, Esq.	1 Serow ...	Purchased.
1 Malayan Tapir ...	Born.	1 Black Leopard ...	Presented by Maulvi Habibulla.
		1 Malayan Bear ...	

The following consignment of animals was received from the Taronga Zoological Park Trust, Sydney, on exchange during the year :—

2 King Parrakeets.	2 Yellow-collared Parrakeets.
3 Red-rumped Parrakeets.	3 Rosellas.
3 Pennant's Parrakeets.	8 Cockateels.
14 Black Swans.	

GENERAL CONDITION OF THE ANIMALS.

Except for an epidemic amongst the marsupials the general condition of the animals has been satisfactory. The mammals and birds have been free from epidemic disease, and the larger and the smaller carnivora are in prime condition.

The general health of the birds has been very good, and there have been no losses calling for special mention.

APPENDIX A.

I.—Comparative statement of Receipts for 1917-18 and 1918-19.

	1917-18.			1918-19.		
	Rs.	A.	P.	Rs.	A.	P.
Opening balance ...	21,161	9	7	19,390	8	11
Interest ...	237	6	6	237	6	6
Donations and subscriptions ...	1,948	0	0	668	0	0
Entrance receipts ...	44,564	0	0	48,490	0	0
Rent ...	5,664	0	0	6,494	0	0
Carriage, rickshaw, elephant ride, etc., etc. ...	975	0	0	1,545	4	0
Fishing ...	210	0	0	240	0	0
Picnic ...	229	0	0	287	0	0
Rhino urine ...	2,303	0	0	2,378	0	0
Miscellaneous receipts ...	4,780	5	0	5,870	5	3
Government contribution ...	20,000	0	0	20,000	0	0
Total ...	1,02,072	5	1	1,05,600	8	8
Add—						
Receipts of 31st March 1917, which were included in 1917-18.	87	5	0	.....	
Receipts of 28th to 31st March, which are included in 1918-19.	.....			799	13	0
Total ...	1,02,159	10	1	1,06,400	5	8
Deduct—						
Receipts from 28th to 31st March 1918, which are included in 1918-19.	799	13	0	.....	
Receipts of 31st March 1919, which will be included in 1919-20.	.....			168	14	0
GRAND TOTAL ...	1,01,359	13	1	1,06,231	7	8

II.—Comparative statement of Expenditure for 1917-18 and 1918-19.

	1917-18.			1918-19.		
	Rs.	A.	P.	Rs.	A.	P.
Establishment	8,822	4	0	8,441	3	3
Food of animals	30,637	14	3	29,784	7	5
Purchase of animals	6,928	14	0	9,357	14	0
Transport of animals	451	3	9	2,030	14	9
Miscellaneous contingencies	8,757	4	7	8,317	3	7
Repairs of roads	3,232	15	9	1,444	0	3
Do. of buildings	11,262	2	9	6,141	10	9
Garden construction	4,876	3	1	4,792	13	6
Original construction	7,000	6	0	1,462	0	2
Total	81,969	4	2	71,772	3	8
Closing balance	19,390	8	11	34,459	4	0
GRAND TOTAL	1,01,359	13	1	1,06,231	7	8

APPENDIX B.

Summary of Visitors and Gate Receipts during 1918-19.

Month and year.			Number of visitors.		Receipts.		Month and year.			Number of visitors.		Receipts.	
					Rs. A.							Rs. A.	
April	1918	...	39,119	...	3,052	15	November	1918	...	52,721	...	4,125	2
May	"	...	37,750	...	2,958	0	December	"	...	58,280	...	4,748	5
June	"	...	42,531	...	3,352	11	January	1919	...	65,651	...	4,844	5
July	"	...	51,298	...	3,543	9	February	"	...	59,739	...	4,679	6
August	"	...	42,313	...	3,294	3	March	"	...	52,820	...	4,310	7
September	"	...	48,417	...	3,635	14	Total	...	...	635,497	...	48,490	0
October	"	...	84,858	...	5,945	3							

APPENDIX C.

A list of Free days showing free visitors during the year 1918-19.

15th April	1918	...	...	2,003	25th November	1918	...	...	2,754
27th May	"	...	...	2,641	9th December	"	...	...	2,731
17th June	"	...	...	2,330	13th January	1919	...	...	4,036
22nd July	"	...	...	2,033	10th February	"	...	...	3,346
26th August	"	...	...	2,349	10th March	"	...	...	3,044
23rd September	"	...	...	2,196	Total	...	...	...	32,203
28th October	"	...	...	2,740					

APPENDIX D.

List of Donors, 1918-19.

A		Dods, Mr. W. K		...	1 Indian roller.	3
Anddy, Babu Kalidas	...	1 Hyæna cub.			Brown-winged kingfishers,	46
Angul, Deputy Commissioner.	...	1 Spotted deer.			Cattle egrets,	19
B					Purple coots,	17
Barnett, Mr. M.	...	1 Hooslock.			Pheasant-tailed jacanas,	9
Barracough, Mr. B.	...	1 Leopard cat.			Chestnut bitterns,	15
Bremner, Mr. W. S.	...	1 Leopard.			Brown-winged jacanas,	3
Burbridge, Mr. H. H.	...	1 Python.			Lesser-whistling teals,	6
Bartlett, Mr. L. H.	...	1 Rock-horned owl.			Yellow bitterns,	18
Brown, Mrs. E. H.	...	1 Flamingo, 4 Bar-headed geese.			Cotton teals,	4
C					Pochards,	4
Chakravarti, Hon'ble Mr.	...	1 Leopard.			Gadwals,	3
B.					Common coots,	1
Chunder, Mr. S. C.	...	2 Hog deer.			Pin-tailed duck,	4
Chowdhury, Babu Gopal Das.	...	1 Hog deer, 1 Barking deer.			Little bitterns,	24
Cooch Behar, Prince Victor of	...	1 Tiger cub.			Corn crakes,	37
D					Grebes,	1
Dick, Mrs. L.	...	1 Large Indian squirrel.			Common otter,	2
Dods, Mrs. W. K.	...	1 Common otter.			Marsh cocks,	2
					Indian rails,	4
					Ruddy crakes,	2
					Common teals,	1
					Goral.	

E		Mawson, Mr. O. ...	1 Malayan bear.
Edye, Mr. H. H., I.C.S. ...	1 Wild dog.	Mukherji, Babu Sashi- bhusan	1 Spotted deer.
F		O	
Fields-Clarke, Mr. V. H. T.	2 Brow-antlered deer.	Oakley, Mr. L. ...	1 Marsh-crocodile.
G		R	
Glennie, Mr. C. ...	1 Python.	Roy Chowdhuri, Babu J. K.	1 Crested serpent Eagle.
Ghosh, Mr. T. P. ...	1 Adjutant.	Reed, Mr. W. A. ...	1 Nilgai.
Gordon, Mrs. A. D. ...	1 Hanuman, 1 Macaque monkey.	Roosmalecocq, Lt.-Col. C. A.	1 Himalayan bear.
H		S	
Heysham, Mrs. L. ...	1 Alexandrine Parakeet.	Solomon, Mrs. S. J. ...	1 Hog deer.
Hyde, Mr. J. W. ...	1 Leopard.	Seth, Babu Kanilal ...	1 Indian antelope.
Hanna, Mr. H. B. ...	1 Javan mouse deer.	Sen, Babu Anath Nath ...	1 Four-horned Antelope.
Holmes, Mr. B. W. ...	1 Common otter.	Seraikella, Feudatory Chief of	2 Ant-eaters.
Holtum, Mr. A. K. ...	1 Wild boar.	Shaw, Babu Charan Behari	1 Spotted deer.
Hassain, Mr. Hasim-uddin	1 Black leopard.	Stevens, Mr. H. H. ...	1 Palm civet.
Habibullah, Maulavi ...	1 Black leopard, 1 Malayan bear.	Swan, Miss D. M. C. ...	1 Indian porcupine.
K		Stewart, Mr. D. M. ...	1 Wolf cub.
Khairagarh, Raja of ...	1 Tiger.	T	
L		Taylor, Mr. R. W. ...	1 Fishing cat.
Locket, Mr. A. ...	1 Ant-eater.	Turner, Mr. E. H. ...	1 Wreathed hornbill.
Lowman, Mr. F. J. ...	1 Leopard, 1 Himalayan bear.	Thompson, Mr. ...	1 Snake-eating cobra.
Lister, Mr. R. S. ...	1 Leopard cat.	Thompson, Mr. F. ...	1 Malabar langur.
M		Tottenham, Lady C. I. ...	1 Barasingha deer.
Maclean, Mr. R. ...	1 Wild dog.	W	
Marcoelyn, Mr. H. B. ...	1 Black-rumped magpie.	Whitworth, Mr. R. ...	1 Indian antelope.
Mullins, Mr. R. ...	1 Bengal monitor.		

No. 2236P.D., dated Calcutta, the 19th August 1919.

From—The Hon'ble Mr. J. H. KERR, C.S.I., C.I.E., I.C.S., Chief Secretary to the Government of Bengal.

To—The Honorary Secretary, Zoological Garden, Calcutta.

I AM directed to acknowledge the receipt of the Report of the Honorary Committee for the Management of the Zoological Garden, Calcutta, for the year 1918-19, forwarded with your letter No. 57, dated the 1st August 1919, and to convey the thanks of the Governor in Council to the Committee for their management of the Garden during the year.

2. The acknowledgments of His Excellency in Council are due to the ladies and gentlemen named in Appendix D to the Report, who presented the Garden with various animals during the year.

**REPORT ON FAMINE IN THE DISTRICT OF BANKURA FOR
THE WEEK ENDING 16TH AUGUST 1919.**

THE rainfall during the week was general and sufficient. Transplantation is still going on. The distress is decreasing owing to improvement of the agricultural prospects. Fifty-seven relief works were open during the week. The number of persons relieved on works was 3,830. The number of persons in receipt of gratuitous relief was 18,402, viz., 13,254 on cash doles in 128 unions, 3,683 on paddy-husking advances, 885 weavers and 580 better class poor. The grand total of persons relieved was 22,232. The decrease in the number of persons in receipt of cash doles was due to better agricultural prospects and the harvesting of the early *bhadoi* crops. The number of persons relieved on private works was 300. The charitable societies also relieved 950 persons on weekly rice doles and 1,150 on daily rice doles and by cooked food. The position in regard to crime relating to food-grains was unchanged. Public health is generally good. Sporadic cases of cholera and malaria are reported. Cloth is being distributed to destitutes. The relief measures are adequate. The price of common rice varies from $5\frac{1}{2}$ to $5\frac{3}{4}$ seers per rupee. Burma rice is being sold.

M. C. MCALPIN,

Secy. to the Govt. of Bengal.

RAMNA (DACCA), the 20th August 1919.

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 21st August 1919.

Summary.—During the week rainfall was generally light to moderate throughout the province. Harvesting of autumn paddy and jute are progressing. Transplanting of winter paddy and steeping and washing of jute are hampered in North and East Bengal for want of sufficient rainfall. Weeding of winter paddy has commenced in West Bengal. Slight damage to jute by insect pests continues to be reported from some West Bengal districts. The prospects of standing crops are generally satisfactory. The price of common rice for the province has risen by about $3\frac{1}{2}$ per cent. as compared with that of previous week. The average number of persons engaged daily in test works in Brahmanbaria subdivision of Tippera district was 452.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERs. PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
1	24-PARGANAS	2.33	5½	5½	Transplanting of <i>aman</i> paddy continues in some low lands of Diamond Harbour and Sadar subdivisions. Water is too deep to allow transplantation. <i>Aus</i> paddy is being harvested. Condition and prospects of jute are good. Damage by insects is reported from some places in Basirhat and Barasat subdivisions. The effects of weather are good. Harvesting of jute is progressing in the Barasat and Basirhat subdivisions. Fodder and water are sufficient.
	Diamond Harbour.	(n)	(n)	5½	
	Barrackpore	(n)	(n)	(n)	
	Barasat ...	6.85	5½	5½	
	Basirhat ...	5.80	5½	5½	
2	NADIA ...	2.91	5½	5½	Prospects of standing crops, including jute, are good. Harvesting of <i>aus</i> paddy and jute continues. Effects of weather are favourable. Some damage to jute has been done by insect-pests. Transplanting of <i>aman</i> paddy continues.
	Kushtia ...	9.89	5	5	
	Meherpur ...	4.33	5½	5½	
	Chuadanga ...	1.49	5	5	
	Ranaghat ...	2.48	5½	5½	
3	MURSHIDABAD	2.10	5	4½	Weather cloudy with occasional rains. Prospects of standing crops are good. Harvesting of <i>aus</i> paddy continues. Transplanting and weeding of <i>aman</i> paddy continue. Condition and prospects of jute are good. Effects of weather are favourable to its growth. Some damage is apprehended by flood in Jangipur subdivision. Harvesting continues. Cattle-disease is reported from Kandi and Khargram thanas. Fodder is sufficient. No large import or export. Agricultural loans and gratuitous relief are being given for distress in some parts of the district.
	Lalbagh ...	3.29	5	5	
	Jangipur ...	1.45	4½	4½	
	Kandi ...	1.41	5 to 6½	4½	
4	JESSORE ...	3.63	5	5	Harvesting of <i>aus</i> paddy and transplanting of <i>aman</i> paddy continue. Standing crops are doing well. Condition and prospects of jute are fair. Washing has commenced. Cutting and steeping continue. Fodder is sufficient.
	Jhenidah ...	2.06	5½	5½	
	Magura ...	0.87	5	5	
	Narail ...	1.52	5	5	
	Bangaon ...	2.57	5	5	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
5	KHULNA ...	Inches 7.73	4½	4½ ⁹ / ₁₆	Transplantation of <i>aman</i> paddy is going on. Condition and prospects of jute are good; the effects of the weather on the growth of the crop are good. No damage. Harvesting is going on. Cattle disease is reported from Kaliganj and Protapnagar police-stations. Fodder is being damaged in some places on account of heavy rain. Water is sufficient.
	Satkhira ...	1.90	5	5½ ⁵ / ₁₆	
	Bagerhat ...	5.90	4½	4½	
6	BURDWAN ...	2.53	5	5	Weather hot and cloudy. Transplanting and weeding of <i>aman</i> paddy are progressing. <i>Aus</i> paddy and sugarcane are doing well. Harvesting of jute continues. Stocks of food-grains in Asansol are reported insufficient. Cattle-disease is reported from Galsi and Sahebganj.
	Asansol ...	1.56	5	5	
	Katwa ...	1.38	5½	5½	
	Kalna ...	3.41	4½	5	
7	BIRBHUM ...	1.95	5	5	Transplantation continues. Prospects of standing crops are favourable. Fodder and water are sufficient.
	Rampurhat ...	2.18	4½	4½	
8	BANKURA ...	3.57	5½	5½	Transplantation of paddy still continues in high lands. Prospects of standing crops are good. Export of rice and paddy continues.
	Vishnupur ...	2.18	5½	5½	
9	MIDNAPORE	1.17	5½	5½	Transplantation of winter rice continues. Harvesting of jute continues. Condition is good. Cattle-disease is reported from contai.
	Ghatal ...	4.86	5½ ³ / ₁₆	5½	
	Tamluk ...	1.19	6	6	
	Contai ...	0.87	5½	6½	
10	HOOGLY ...	2.48	4½ ⁷ / ₁₆	4½ ⁹ / ₁₆	Effects of weather on the growth of the crops are favourable. Price of rice is rising. Condition and prospects of jute are good. Harvesting is going on. Damage by insect-pests is reported from Sadar and Serampore subdivisions. Fodder is sufficient.
	Serampore ...	3.16	5½ ⁵ / ₁₆	5½ ⁵ / ₁₆	
	Arambagh ...	3.38	5½	5½	
11	HOWRAH ...	2.69	5	5	Weather rainy. Condition of sugarcane is good. Transplantation of <i>aman</i> paddy continues. Condition of jute is good. Slight damage by insects has been done in Singti and Amta thanas. Harvesting of jute continues in low lands. Fodder is sufficient.
	Ulubaria ...	2.11	5½	5½	
12	RAJSHAHI	4.34	4½	4½	The prospects of jute and other standing crops are favourable. Harvesting of jute and <i>aus</i> paddy continues. Fodder is sufficient.
	(RAMPUR-BOALIA).				
	Naogaon ...	2.76	4½	4½ ³ / ₁₆	
	Nator ...	2.56	4½	4½	
13	DINAJPUR ...	1.96	4½	5½	Harvesting of jute and other <i>bhadoi</i> crops continues. More rain is wanted for steeping of jute and for transplantation of <i>aman</i> paddy. Fodder is sufficient. Rice market is rising.
	Thakurgaon ...	2.60	5	5½	
	Balarghat ...	1.62	4½	4½	

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEEDS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
14	JALPAIGURI	2.84	5	5	Weather hot. Harvesting of jute and transplanting of winter rice are hampered owing to insufficient rainfall.
	Alipur ...	4.90	4½	5	
15	DARJEELING	1.81	4½	4½	Harvesting of potatoes and maize continues. Standing crops are growing well. Condition and prospects of jute are fair. Effects of weather on the growth of jute are fair. No damage. Cutting and steeping of jute have begun. Transplanting of autumn paddy is retarded owing to drought in Terai. Winter paddy is being transplanted. The supply of fodder and water is sufficient. Stock of food-grains is insufficient.
	Kurseong ...	3.45	4½	4½	
	Siliguri ...	3.87	4	4	
	Kalimpong ...	(n)	(n)	5½	
16	RANGPUR ...	0.33	4½	4½	Weather hot. Cutting of jute and harvesting of <i>aus</i> paddy continue. The condition and prospects of jute are good. More rain is urgently wanted for transplanting of winter rice and steeping and washing of jute. Weather is not favourable for winter rice. Fodder and water are sufficient. Cattle-disease is subsiding at Domar and Saidpur.
	Nilphamari	0.39	4½	4½	
	Kurigram ...	0.55	4½	4½	
	Gaibandha ...	0.22	4½	4½	
17	BOGRA ...	3.17	4½	4½	Harvesting of <i>aus</i> paddy and jute and transplanting of winter paddy continue. Progress of steeping and washing of jute is retarded for low flood. Prospects of jute are otherwise fair.
18	PABNA ...	5.29	5	5	<i>Aus</i> paddy has been harvested. Harvesting and steeping of jute continue in Sadar subdivision. Reaping of jute has been stopped in Sirajganj subdivision temporarily for want of water. Supply of fodder is tolerable.
	Sirajganj ..	4.82	4	4½	
19	MALDA ..	7.13	5	5	Weather hot and cloudy. Rain is wanted in Kharba thana for steeping of jute and transplanting of winter rice. Prospects of jute are fair. No damage to crop is reported. Harvesting of <i>bhadoi</i> paddy continues. Fodder and water are sufficient. Cattle-disease is reported from Bholahat and Englishbazar thanas.

(n) Not reported.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
20	COOCH BEHAR	2.33	(n)	6 $\frac{3}{4}$	Weather hot and cloudy. Preparation of lands for <i>haimanti</i> paddy going on and transplantation of its seedlings is retarded for want of rain. Effects of weather on the growth of jute are good. Cutting and steeping are going on. Fodder is sufficient.
21	DACCA ...	2.58	4	4 $\frac{3}{4}$	Weather seasonable. Condition and prospects of standing crops are good. Steeping and stripping of jute are being retarded by the lowness of the rivers.
	Manikganj ...	2.42	4	4 $\frac{1}{2}$	
	Narayanganj	4.60	4	4 $\frac{1}{2}$	
	Munshiganj*	(n)	(n)	4 $\frac{1}{2}$	
22	MYMENSINGH	4.74	3 $\frac{5}{8}$	4	Weather hot with occasional showers. More rain is badly wanted. Transplanting of winter paddy and steeping of jute are impeded for want of water. Harvesting of jute and <i>aus</i> paddy continue. Prospects are fair. Fodder is sufficient, but insufficiency of water is feared.
	Jamalpur ...	1.92	4	4 $\frac{1}{2}$	
	Tangail ...	1.09	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
	Netrakona ...	4.50	3 $\frac{1}{4}$	4	
	Kishorganj...	2.59	4	5 $\frac{1}{2}$	
23	FARIDPUR ...	3.11	4 $\frac{1}{2}$	4 $\frac{1}{2}$	Weather is favourable to the standing crops. Harvesting of <i>aus</i> paddy is finished and that of jute continues. Prospects are fair. Insufficiency of fodder is reported from Gopalganj.
	Goalundo ...	2.87	5 $\frac{1}{2}$	5	
	Madaripur ...	3.04	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
	Gopalganj†...	2.45	4 $\frac{1}{2}$	5	
24	BAKARGANJ (BARISAL).	3.78	{ 4 $\frac{1}{2}$ 5 $\frac{1}{2}$ †	{ 4 $\frac{5}{8}$ 6 $\frac{1}{2}$ †	Prospects of jute are good and those of other crops fair. Weather is favourable to jute. No damage done to the crop. Harvesting is nearly finished. Fodder is sufficient.
	Pirojpur ...	3.66	4 $\frac{3}{8}$	4 $\frac{3}{8}$	
	Patuakhali...	8.66	{ 4 $\frac{1}{2}$ 5†	{ 4 $\frac{1}{2}$ 5†	
	Dakshin Shabazpur (Bhola).	(n)	(n)	4 $\frac{1}{2}$	
25	CHITTAGONG	4.23	4 $\frac{1}{2}$	5	Prospects of standing crops are good. Cultivation of <i>aman</i> paddy is going on. Harvesting of <i>aus</i> crop is progressing. <i>Panga</i> salt is selling at 9 seers per rupee both at Sadar and Cox's Bazar. Fodder is sufficient.
	Cox's Bazar	6.32	4 $\frac{1}{2}$	4 $\frac{1}{2}$	
26	TIPPERA (COMILLA).	2.76	4	4 $\frac{1}{2}$	The prospects of <i>aus</i> paddy are fair and those of jute are good. Harvesting of jute and <i>aus</i> paddy and transplanting of <i>aman</i> paddy are going on. Rain is badly needed. Steeping of jute and growth of <i>barshall</i> paddy are hampered for want of water in Brahmanbaria subdivision: 413 men and 39 children worked daily on an average for eradicating water hyacinth in Brahmanbaria subdivision.
	Brahmanbaria.	2.58	3 $\frac{3}{4}$	4 $\frac{2}{3}$	
	Chandpur ...	3.87	4 $\frac{1}{2}$	4 $\frac{1}{2}$	

* Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district rainfall figures for Kapasia thana are reported here.

† The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

(n) Not reported.

‡ *Aus* rice.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
27	NOAKHALI ...	5·31	4½	4½	Weather seasonable. Prospects of standing crops are good. Transplantation of <i>aman</i> paddy and harvesting of jute continue. Fodder sufficient.
	Feni ...	3·02	{ 3½ ¹³ 4½ ¹⁶ *	4½ ⁵ 5½ ¹⁶ *	
28	CHITTAGONG HILL TRACTS.	3·27	5	5	Prospects of <i>jhum</i> crops are good. Progress of plough cultivation is fair. Fodder is sufficient.

* *As rice.*

J. C. ROY,
for Director of Agriculture, Bengal.

DACCA, the 25th August 1919.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of August 1919.

Marts.	PADDY (BEST QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.*
	1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	4 8 0	4 8 0	2 12 0	3 0 0	3 6 0	3 6 0	...
Chetla Hat ...	...	...	...	...	...	...	...
Burdwan ...	4 0 0	4 0 0	2 3 0	2 4 0	3 14 0	3 8 0	...
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	4 0 0	4 0 0	2 1 0	2 6 0	3 0 0	3 8 0	...
Chittagong ...	(c)	(c)	(c)	...	...	...	...
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	6 8 0	5 4 0	2 4 0	3 4 0	3 4 0	4 0 0	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	4 8 0	4 8 0	2 2 0	2 12 0	3 6 0	3 4 0	...
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	5 0 0	5 0 0	1 12 0	2 14 0	3 6 0	3 4 0	...

* Figures not available.

Marts.	PADDY (COMMON QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	9	10	11	12	13	14	15
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	4 0 0	4 0 0	2 8 0	2 8 0	3 2 0	3 0 0	...
Chetla Hat ...	...	...	...	...	...	...	...
Burdwan ...	4 0 0	4 0 0	1 15 0	2 2 0	3 10 0	3 2 0	...
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	3 14 0	3 14 0	1 14 0	2 0 0	2 12 0	3 2 0	...
Chittagong ...	(c)	(c)	(c)	...	...	...	...
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	6 4 0	5 0 0	2 2 0	2 12 0	3 2 0	3 12 0	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	4 6 0	4 6 0	1 13 0	2 8 0	3 1 0	3 0 0	3 10 0
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	4 8 0	4 8 0	1 8 0	2 8 0	2 10 0	2 4 0	3 0 0

(c) No sale.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of August 1919.

Marts.	RICE (BEST QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	16	17	18	19	20	21	22
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	9 8 0	9 8 0	6 8 0	7 0 0	7 12 0	7 8 0	7 12 0
Chetla Hat ...	...	...	...	...	...	...	...
Burdwan ...	9 0 0	8 8 0	5 6 0	6 4 0	9 8 0	7 8 0	6 8 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	8 8 0	8 8 0	4 2 0	5 0 0	6 4 0	6 8 0	5 10 0
Chittagong ...	13 0 0	10 8 0	8 0 0	7 8 0	9 0 0	10 0 0	7 8 0
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	10 12 0	9 0 0	4 12 0	5 10 0	6 4 0	6 12 0	6 8 0
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	9 0 0	8 11 0	6 0 0	7 8 0	7 5 0	8 0 0	7 8 0
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	10 8 0	10 8 0	5 4 0	6 4 0	6 12 0	7 9 0	8 0 0

Marts.	RICE (COMMON QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	23	24	25	26	27	28	29
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	7 8 0	7 8 0	4 8 0	5 0 0	6 0 0	6 6 0	6 4 0
Chetla Hat ...	...	...	...	...	...	...	...
Burdwan ...	8 4 0	8 0 0	3 7 0	4 0 0	5 0 0	5 0 0	5 0 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	7 8 0	7 4 0	3 10 0	4 4 0	5 8 0	5 12 0	4 13 6
Chittagong ...	8 0 0	7 0 0	4 0 0	4 6 0	5 4 0	5 0 0	5 0 0
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	10 6 0	8 8 0	4 8 0	5 4 0	5 12 0	5 10 0	5 8 0
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	8 10 0	7 13 0	3 10 0	4 10 0	5 3 0	5 10 0	5 10 0
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	9 8 0	9 8 0	3 12 0	4 12 0	5 12 0	6 6 0	6 12 0

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of August 1919.

Marts.	WHEAT.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	30	31	32	33	34	35	36
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 0 0	8 0 0	6 0 0	5 0 0	4 4 0	4 10 0	4 6 0
Chetla Hât ...	.....	.....	.....	.....	.....	.....	.....
Bardwan ...	8 0 0	8 8 0	4 14 0	5 12 0	5 6 0	6 0 0	.....
Kalna ...	.....	.....	.....	.....	.....	.....	.....
Raigangj ...	.....	.....	.....	.....	.....	.....	.....
Midnapore ...	8 12 0 to 9 0 0	8 12 0 to 9 0 0	5 8 0	5 6 0	5 8 0	6 0 0	.....
Chittagong ...	.....	.....	.....	.....	.....	.....	.....
Chandpur ...	.....	.....	.....	.....	.....	.....	.....
Dacca ...	.....	.....	.....	.....	.....	.....	4 12 0
Narayanganj ...	.....	.....	.....	.....	.....	.....	.....
Mymensingh ...	.....	.....	.....	.....	.....	.....	.....
Madaripur ...	.....	.....	.....	.....	.....	.....	.....
Pabna ...	(a)	(a)	.....	4 0 0	.....	.....	4 0 0
Sirajganj ...	.....	.....	.....	.....	.....	.....	.....
Rangpur ...	.....	.....	5 4 0	5 0 0	5 0 0	5 4 0	5 0 0

(a) Not in stock.

Marts.	KALAI DAL.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.*
	37	38	39	40	41	42	43
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 8 0	9 0 0	6 0 0	5 0 0	5 6 0	5 10 0	.....
Chetla Hât ...	.....	.....	.....	.....	.....	.....	.....
Bardwan ...	9 0 0 to 11 8 0	9 0 0 to 11 8 0	6 4 0	5 8 0	5 8 0	6 0 0	.....
Kalna ...	.....	.....	.....	.....	.....	.....	.....
Raigangj ...	.....	.....	.....	.....	.....	.....	.....
Midnapore ...	10 0 0 to 11 0 0	10 0 0 to 11 0 0	7 8 0	5 12 0	4 6 0	5 0 0	.....
Chittagong ...	.....	.....	.....	.....	.....	.....	.....
Chandpur ...	.....	.....	.....	.....	.....	.....	.....
Dacca ...	.....	.....	.....	.....	.....	.....	.....
Narayanganj ...	.....	.....	.....	.....	.....	.....	.....
Mymensingh ...	.....	.....	.....	.....	.....	.....	.....
Madaripur ...	.....	.....	.....	.....	.....	.....	.....
Pabna ...	.....	.....	.....	.....	.....	.....	.....
Sirajganj ...	.....	.....	.....	.....	.....	.....	.....
Rangpur ...	10 0 0	10 0 0	6 8 0	7 0 0	7 0 0	6 4 0	.....

* Figures not available.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of August 1919.

Marts.	GRAM.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	44	45	46	47	48	49	50
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	7 0 0	7 0 0	4 0 0	3 8 0	3 7 0	3 8 0	4 0 0
Chetla Hât ...	...	...	...	...	...	...	...
Burdwan ...	7 0 0	7 2 0	3 12 0 to 4 0 0	3 10 0	3 14 0	4 0 0	4 0 0
Kalna ...	...	...	...	...	...	...	...
Raiganj ...	...	...	...	...	...	...	...
Midnapore ...	7 10 0 to 8 0 0	7 10 0 to 8 0 0	4 2 0 to 4 6 0	3 12 0	4 4 0	4 8 0	...
Chittagong ...	8 0 0	7 8 0	4 0 0	3 8 0	4 4 0	5 0 0	...
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	...	...	...	...	...	...	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	...	...	...	...	...	...	...
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	10 0 0	10 0 0	5 4 0	6 8 0	7 8 0	6 8 0	...

Marts.	ARHAR DAL.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	51	52	53	54	55	56	57
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	10 8 0	11 0 0	6 0 0	4 8 0	5 4 0	6 4 0	5 6 0
Chetla Hât ...	...	...	...	...	...	...	...
Burdwan ...	12 0 0	12 8 0	5 12 0	4 8 0	5 6 0	5 10 0	5 11 0
Kalna ...	...	...	...	...	...	...	...
Raiganj ...	...	...	...	...	...	...	...
Midnapore ...	11 4 0 to 12 4 0	11 8 0 to 12 8 0	6 0 0 to 7 0 0	5 0 0 to 6 8 0	5 4 0 to 6 8 0	6 0 0	...
Chittagong ...	14 0 0	10 8 0	6 8 0	6 8 0	6 8 0	7 0 0	7 0 0
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	12 0 0	11 8 0	...	6 4 0	7 0 0	8 1 0	7 6 0
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	10 0 0	10 0 0	6 5 0	6 0 0	7 4 0	6 8 0	6 10 0
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	(a)	(a)	6 0 0	7 0 0	7 0 0	6 6 0	6 4 0

(a) Not in stock.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the first-half of August 1919.

Marts.	LINSEED.			MUSTARD.			GHR.			COTTON (UNGINNED).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	58	59	60	61	62	63	64	65	66	67	68	69
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	13 8 0	13 8 0	6 0 0	11 8 0	11 8 0	6 8 0	7 12 0	7 12 0	8 0 0	25 0 0	25 0 0	40 0 0
Chetla Hat	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bardwan	(a).....	(a).....	6 8 0	13 8 0 to 16 8 0	13 0 0 to 16 0 0	6 12 0 to 7 8 0	8 8 0	8 0 0	6 0 0 to 9 0 0	(a).....	(a).....	36 0 0
Kalna	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raniganj	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	16 0 0	13 0 0	4 10 0	15 0 0 to 17 8 0	15 0 0 to 16 8 0	7 4 0 to 8 0 0	8 8 0 to 9 0 0	8 0 0 to 8 8 0	8 4 0	40 0 0	40 0 0	40 0 0
Chittagong	10 0 0	12 0 0	10 0 0	14 0 0	12 0 0	7 0 0	10 12 0	13 8 0	5 8 0	16 0 0	15 0 0	.....
Chandpur	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dacca	12 0 0	12 0 0	6 4 0	12 8 0	12 0 0	5 0 0	11 8 0	11 8 0	7 8 0	.....	.....	.....
Narayanganj	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mymensingh	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madaripur	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pabna	(a)	(a)	.....	14 0 0	13 5 0	6 10 0	10 0 0	10 0 0	7 4 0	.....	.....	.....
Siraganj	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangpur	.....	.....	.....	14 8 0	14 4 0	6 8 0	15 0 0	15 0 0	6 8 0	.....	.....	.....

Marts.	JUTE.			GHER.			HIDES (COW).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	70	71	72	73	74	75	76	77	78
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	12 0 0	12 0 0	7 0 0	78 0 0	78 0 0	70 0 0	450 0 0	450 0 0	450 0 0
Chetla Hat	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bardwan	(a).....	(a).....	6 12 0	75 0 0	76 0 0	65 0 0	(a).....	(a).....	40 0 0
Kalna	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raniganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	7 0 0	7 0 0	5 0 0	80 0 0 to 86 0 0	80 0 0 to 86 0 0	65 0 0 to 68 0 0	425 0 0	Cleaned pieces per 100. 425 0 0 Uncleaned pieces per 100. 400 0 0	200 0 0 175 0 0
Chittagong	.....	.....	.....	84 0 0	95 0 0	68 0 0	.....	.....	.....
Chandpur	9 0 0 to 14 8 0	12 8 0 to 15 0 0	7 8 0 to 8 12 0	.....	.....	.....	.....	.....	.....
Dacca	.....	.....	.....	78 8 0	78 8 0	63 0 0	.....	.....	.....
Narayanganj	12 0 0 to 16 0 0	13 0 0 to 16 0 0	8 4 0 to 9 0 0	.....	.....	.....	.....	.....	.....
Mymensingh	9 0 0 to 8 0 0	14 0 0 to 16 0 0	6 0 0 to 8 0 0	.....	.....	.....	.....	.....	.....
Madaripur	10 0 0 to 13 8 0	10 0 0 to 18 0 0	7 12 0 to 8 4 0	.....	.....	.....	.....	.....	.....
Pabna	.....	.....	.....	79 0 0	78 0 0	80 0 0	.....	.....	.....
Siraganj	11 0 0 to 15 0 0	8 0 0 to 12 0 0	4 8 0 to 6 8 0	.....	.....	.....	.....	.....	.....
Rangpur	12 8 0	12 8 0	5 0 0	72 0 0	72 0 0	60 0 0	Per piece. 4 0 0	Per piece. 4 0 0	Per piece. 4 0 0

(a) Not in stock.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the first-half of August 1919.

Marts.	IRON.			SALT.			KEROSENE OIL.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	79	80	81	82	83	84	85	86	87
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	9 0 0	8 0 0	30 0 0	3 6 0	3 4 0	3 8 0	4 0 0 (a)	4 0 0 (a)	2 11 0
Chetla Hât	...	...	...	...	...	...	...	...	...
Burdwan	15 0 0	14 8 0	20 0 0 to 32 0 0	2 14 0	2 14 0	3 14 0	3 2 0 (b)	3 2 0 (b)	4 4 3
Kalna	...	...	...	...	...	...	...	...	...
Raniganj	...	...	...	...	...	...	...	...	...
Midnapore	3 0 0 to 14 0 0	3 0 0 to 14 0 0	3 0 0 to 28 0 0	3 10 0	3 9 0	4 0 0	4 0 0 (b)	4 0 0 (b)	4 3 0
Chittagong	16 0 0	20 0 0	30 0 0	3 10 0	3 6 0	3 10 0	3 0 0	3 0 0 (c)	2 6 0
Chandpur	...	...	...	...	...	...	...	...	...
Dacca	...	...	...	4 0 0	3 12 0	4 8 0	4 1 9 (d)	4 1 9 (d)	4 12 0
Narayanganj	...	...	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...	...	...
Pabna	20 0 0 to 25 0 0	20 0 0 to 25 0 0	26 8 0	3 12 0	3 12 0	4 10 0	3 12 0	3 9 0 (h)	3 4 0
Birajganj	...	...	...	...	...	...	...	...	...
Rangpur	22 0 0	22 0 0	22 0 0	4 0 0	4 0 0	4 6 0	4 4 0 (h)	4 6 0 (h)	4 4 0

(a) Monkey brand. | (b) Rising Sun. | (c) Elephant. | (d) Mosque mark. | (h) Gold Mohur.

Marts.	MUSTARD OIL.			FIREWOOD.			COAL (BENGAL).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	88	89	90	91	92	93	94	95	96
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	33 0 0	33 0 0	20 0 0	0 8 0	0 8 0	0 14 0	...	...	...
Chetla Hât	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0
Burdwan	37 0 0	37 0 0	19 8 0	0 8 0	0 8 0	0 9 0	0 7 0 to 0 8 0 0 9 0	0 7 0	0 8 6
Kalna	...	...	...	...	...	...	...	0 9 0	0 8 0
Raniganj (a)	...	...	...	...	...	...	...	0 1 10	0 2 9
Midnapore	38 0 0 to 39 0 0	38 0 0 to 39 0 0	22 8 0 to 24 0 0	0 7 0	0 7 0	0 7 0	...	...	...
Chittagong	45 0 0	38 0 0	23 0 0	...	...	...	...	...	...
Chandpur	...	...	...	...	...	...	...	...	...
Dacca	42 0 0	40 0 0	22 8 0	...	...	...	...	...	...
Narayanganj	...	...	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...	...	...
Pabna	36 0 0	36 0 0	20 0 0	...	...	...	...	...	...
Birajganj	...	...	...	...	...	...	...	...	...
Rangpur	40 0 0	40 0 0	23 0 0	...	...	...	...	...	...

(a) Return not received.

DACCA,
The 23rd August 1919.

J. C. ROY,
for Director of Agriculture, Bengal.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the first-half of August 1919.

DIVISION.	DISTRICTS AND MATHS.	QUANTITY PER RUPEE IN SEER OF EIGHTY TOLAS.														
		COMMON RICE.						KALAI DAL (<i>Phaseolus radiatus</i>).			ARHAR (DAL) OR TURU, CADJAN PEA (<i>Cajanus indicus</i>).			SALT.		
		Average.			Cheapest.			Present return.	Next preceding return.	Corresponding of last year.	Present return.	Next preceding return.	Corresponding of last year.	Present return.	Next preceding return.	Corresponding of last year.
		Present return.	Next preceding return.	Corresponding of last year.	Present return.	Next preceding return.	Corresponding of last year.									
Number.		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
24-PARGANA.																
1	Chetla Hat ...	4 9	4 9	8 10	5 5	5 5	9 2	4 0	4 0	6 8	3 9	4 0	7 0	10 10	10 10	9 2
2	Magra Hat ...	5 10	5 10	9 11	5 12	5 12	10 5	(a)	(a)	8 0	3 5	3 5	6 10	11 8	11 8	11 1
3	Calcutta-Beliaghata	5 3	5 3	8 6	6 0	6 0	10 0	4 7	4 4	6 7	3 10	3 8	6 7	10 0	10 0	10 10
NADIA.																
4	Goari ...	5 4	5 4	10 8	5 10	5 13	10 9	3 5	3 5	5 5	3 3	3 3	6 8	11 0	11 0	12 8
5	Ranaghat ...	4 12	5 2	10 0	5 2	5 10	10 8	4 0	4 0	6 8	3 8	4 0	6 0	10 8	10 8	10 8
MURSHIDABAD.																
6	Derampur ...	4 8	4 12	9 12	4 12	5 0	10 0	3 4	3 4	6 0	4 0	4 0	8 0	13 0	13 0	11 0
7	Kaudli ...	5 0	5 0	12 8	5 4	5 7	13 0	3 8	5 4	6 0	4 0	4 4	8 0	11 0	11 0	11 0
8	Jangipur ...	5 0	4 8	12 12	5 0	4 12	13 4	3 8	3 8	5 0	4 0	4 0	9 0	12 0	12 0	10 0
JESSORE.																
9	Sadar ...	5 6	5 4	10 0	5 11	6 0	12 0	3 8	3 4	6 8	3 8	3 4	6 0	11 4	11 4	9 8
10	Bangaon ...	5 0	5 8	12 5	5 11	6 2	14 9	2 11	2 11	4 9	3 3	3 9	6 6	11 4	11 4	10 8
KHULNA.																
11	Sadar ...	4 6	5 10	12 0	4 9	6 0	13 0	3 12	4 0	6 8	3 0	3 4	6 8	10 8	10 0	9 0
12	Bagerhat ...	4 8	5 8	12 0	5 8	6 0	14 8	5 0	5 0	8 8	4 14	4 14	5 8	10 8	10 8	9 0
BURDWAN.																
13	Sadar ...	4 8	5 0	10 8	5 0	5 4	12 8	3 8	3 8	6 8	3 0	3 0	8 0	13 0	13 0	9 0
14	Kalna ...	4 12	5 2	10 0	5 4	5 4	10 8	3 7	3 7	5 10	3 5	3 5	6 6	13 5	13 5	12 12
BIRBHUM.																
15	Suri ...	4 12	5 0	10 0	5 0	5 4	11 0	4 0	4 0	6 0	3 3	3 4	6 12	10 0	10 0	10 8
16	Rampur Hat ...	4 12	4 12	10 0	5 0	5 0	11 0	3 8	3 8	5 4	3 0	3 0	6 0	11 0	11 0	12 0
BANKURA.																
17	Sadar ...	5 8	5 0	9 0	5 10	5 8	10 0	4 0	4 0	7 8	3 4	3 4	6 8	13 0	11 0	10 0
18	Visnupur ...	5 6	5 6	11 0	5 10	5 10	11 8	3 10	4 4	7 8	3 2	3 8	6 4	10 0	10 0	9 0
MIDNAPORE.																
19	Sadar ...	5 6	5 8	11 1	5 8	5 13	11 6	3 4	3 4	5 4	3 4	3 4	{ 5 4 to 6 0 }	10 0	10 0	9 0
20	Contai ...	6 0	6 8	13 8	6 8	6 12	15 0	3 0	3 0	7 0	3 0	3 0	7 0	10 0	9 0	8 0
BOGHLY.																
21	Sadar ...	4 9	4 12	8 0	5 0	5 4	8 0	3 8	4 0	6 8	4 0	4 0	6 8	10 8	11 0	9 0
22	Arambagh ...	5 12	6 0	11 6	5 14	6 2	12 8	3 4	3 4	5 4	3 0	3 0	5 4	10 10	10 10	9 0
HOWRAH.																
23	Sadar ...	5 0	5 0	10 8	5 5	5 10	11 0	4 0	4 0	6 12	4 0	3 8	6 8	11 0	11 0	9 0
24	Udharua ...	5 0	5 4	9 0	5 8	5 12	10 0	3 8	3 8	6 0	3 8	3 6	6 4	11 8	11 6	10 8
RAJSHAH.																
25	Rampur-Boalia ...	4 6	4 10	10 8	4 8	4 12	13 8	3 0	3 6	5 4	3 0	3 6	6 0	9 12	9 12	9 12
26	Nator ...	4 8	4 8	11 4	4 12	4 12	15 0	4 0	4 0	6 0	4 0	4 0	7 14	9 8	8 0	8 0
27	Dumajpur-Railway Bazar Hat	4 13	5 2	10 3	5 2	5 6	11 6	3 14	3 14	6 9	3 5	3 8	9 0	10 13	9 0	8 0
28	Jalpaiguri-Sadar ...	5 8	5 8	9 0	5 12	6 0	11 8	4 0	4 0	7 0	4 0	4 0	7 0	9 0	9 0	8 0

* Karkatch.

(a) Not available.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the first-half of August 1919—concl'd.

QUANTITY PER RUPEE IN SEERS OF EIGHTY TOLAS.

DIVISION.

RAJSHAH.

DACCA.

CHITTAGONG.

Number.	DISTRICTS AND MARKS.	COMMON RICE.																KALAI DAL (<i>Phaseolus radiatus</i>).			ARHAR (DAL) OR THUR. CADJAN PEA (<i>Cajanus indicus</i>).			SALT.							
		Average.						Cheapest.																							
		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.	
		S. CH.	P. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	
29	DARJEEING. Sadar ...	3 8	3 12	8 0	5 0	5 0	10 0	3 0	3 0	6 8	2 12	2 12	5 8	8 0	8 0	7 0															
30	Siliguri ...	4 0	4 8	9 0	5 0	5 8	11 0	3 8	3 8	7 8	3 8	3 8	8 8	8 0	8 0	8 0															
	RANGPUR.																														
31	Sadar ...	3 8	3 8	10 0	4 0	4 0	11 0	3 12	3 12	6 0	3 0	(a)	7 0	9 0	9 0	8 0															
32	Nitphamari ...	5 0	5 0	11 0	(n)	(n)	11 8	3 0	3 4	8 0	3 0	3 0	8 0	10 0	9 0	8 8															
33	Bogra—Sadar ...	4 2	4 8	7 8	4 8	5 1	10 12	3 6	4 0	7 8	3 6	3 7	6 12	9 12	9 12	8 0															
	PABNA.																														
34	Sadar ...	4 8	4 8	11 0	4 8	4 14	12 8	4 0	4 0	10 0	3 14	3 14	6 0	10 8	10 8	8 0															
35	Sirajganj ...	4 0	4 0	9 12	4 8	4 8	11 0	4 8	4 8	7 4	3 12	3 12	7 8	8 0	8 0	8 0															
	MALDA.																														
36	Sadar ...	4 10	4 8	10 0	5 0	5 0	11 8	4 0	4 8	5 0	3 8	3 0	7 0	11 0	10 8	8 0															
37	Balia—Nawabganj ...	4 10	5 0	12 8	5 0	5 3	12 8	4 8	4 12	6 8	3 8	4 0	9 0	11 0	11 0	9 0															
	DACCA.																														
38	Sadar ...	3 12	4 8	9 0	4 0	4 11	11 0	4 5	4 6	5 4	3 3	3 3	6 0	10 8	10 10	8 0															
39	Munshir Hat ...	4 4	4 12	10 8	4 4	4 12	10 8	(n)	(n)	(n)	(n)	(n)	...	9 0	9 0	8 0															
	MYMENSINGH.																														
40	Nasirabad ...	4 0	4 8	10 2	5 0	5 0	10 2	4 0	4 0	8 0	4 0	4 0	8 0	9 0	9 0	8 0															
41	Netrokona ...	4 0	4 6	10 8	4 4	4 8	11 0	5 12	5 12	9 0	3 2	3 2	7 0	10 0	10 0	8 0															
	FAIRIDPUR.																														
42	Sadar ...	4 14	4 4	12 0	5 0	4 12	12 4	4 2	4 0	5 4	3 12	4 0	6 0	10 0	9 0	8 0															
43	Rajbari ...	4 13	4 9	11 4	5 5	5 1	12 0	3 11	4 6	6 0	3 11	3 11	6 0	8 9	8 9	8 0															
	BAKARGANJ.																														
44	Barisal ...	4 10	4 12	8 12	5 4	5 6	9 8	5 10	5 10	8 0	3 2	3 4	6 0	9 4	9 4	8 8															
45	Pirojpur ...	4 6	5 0	10 8	4 8	5 4	10 8	4 8	4 8	7 0	(a)	(a)	5 0	8 0	8 0	8 0															
	TIPPERA.																														
46	Comilla ...	3 14	4 0	9 11	5 0	4 1	10 4	5 0	5 0	5 4	3 0	3 0	6 6	10 0	10 0	8 8															
47	Chandpur ...	4 8	4 8	10 0	5 12	6 0	11 4	4 4	4 4	5 11	3 14	3 14	7 10	10 4	10 4	9 1															
	NOAKHALI.																														
48	Kulitara Hat ...	4 11	4 8	9 0	4 14	4 12	10 0	4 4	4 4	8 8	4 0	4 0	6 2	9 0	9 0	9 0															
49	Feni Hat ...	4 5	4 5	10 8	5 8	5 8	12 0	6 9	6 9	8 0	(n)	(n)	...	8 0	10 11	9 0															
	CHITTAGONG.																														
50	Sadar ...	5 0	5 8	10 0	5 8	5 8	11 0	4 0	4 0	7 0	2 12	3 12	6 8	10 0	11 0	10 0															
51	Cox's Bazar ...	4 12	6 0	12 8	(n)	(n)	12 0	4 0	4 0	4 8	3 4	3 4	4 8	9 0	9 0	9 0															
52	Chittagong Hill Tracts—Rangamati.	4 0	4 0	8 0	5 0	5 0	8 0	4 0	4 0	4 0	3 0	3 8	4 0	8 0	8 0	8 0															

* Karkatch.

(a) Not in stock.

(n) Not reported.

DACCA,
The 23rd August 1919.

J. C. ROY,
for Director of Agriculture, Bengal.

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 21st August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IS—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	15th Aug. 1919	6 A.M. ...	25.87	101.83	127.70	0.30'	...	125.70'	118.70'	
	15th " "	6 " "	26.80	56.319	83.119	0.15'	...	84.31'	77.31'	
	15th " "	8 hours ...	22.30	...	...	0.20'	...	23.40'	22.60'	
Brahmaputra	15th " "	8 A.M. ...	17.40	148.76	166.16	...	0.40'	171.76'	177.56'	
	15th " "	12 hours ...	35.60	...	...	Steady	...	...	...
	15th " "	8 A.M. "	15.50	...	...	0.30'	...	...	...
Meghna	15th " "	6 hours ...	15.42	1.61	17.03	Steady	...	...	...
	15th " "	8.30 " "	12.25	1.61	13.85	Steady	...	...	...
	15th " "	7 A.M. ...	22.10	...	...	...	0.10'	...	...
Dhaleswari	15th " "	7 " "	25.80	-8.62	17.18	Steady	...	...	...
	15th " "	6 " "	27.01	1.509	28.519	0.91'	...	28.46'	24.46'	
	15th " "	6 " "	12.17	92.58	104.75	...	3.41'	...	...
Lakhya	15th " "	...	20.92	-5.59	15.33	...	0.12'	...	...
	15th " "	6 A.M. ...	12.35	-0.599	11.751	0.05'	...	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 21st August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	16th August 1919	6 A.M. ...	26.17'	101.83'	128.00'	0.30'	...	125.80'	118.80'	
	16th "	6 " ...	27.00'	56.319'	83.319'	0.20'	...	84.16'	77.41'	
	16th "	8 hours ...	22.40'	...	...	0.10'	...	23.20'	22.90'	
Frahmaputra	16th "	8 A.M. ...	18.00'	148.76'	166.76'	0.60'	...	171.36'	177.36'	
	16th "	12 hours ...	35.40'	...	...	...	0.20'	...	...
	16th "	8 A.M. ...	15.50'	...	...	Steady	...	...	...
Meghna	16th "	6 hours ...	15.33'	1.61'	16.94'	...	0.09'	...	...
	16th "	9 " ...	12.00'	1.61'	13.61'	...	0.25'	...	...
	16th "	7 A.M. ...	22.10'	...	...	Steady	...	...	...
Dhaleswari	16th "	7 " ...	25.80'	- 8.62'	17.18'	Steady	...	...	...
	16th "	6 " ...	27.38'	1.509'	28.889'	0.37'	...	28.38'	24.75'	
Bhagirathi	16th "	6 " ...	11.00'	92.58'	103.58'	...	1.17'	...	...
Damodar	16th "	6 " ...	20.81'	- 5.59'	15.22'	...	0.11'	...	...
Lakhya	16th "	6 A.M. ...	12.35'	- 0.599'	11.751'	Steady	...	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 21st August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAYS' HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Gauges	Monghyr ...	17th Aug. 1919	6 A.M. ...	26.17'	101.83'	128.00'	Steady	125.50'	118.50'	
	... { Rajmahal ...	17th " " "	6 " " "	27.10'	56.319'	83.419'	0.10'	83.96'	77.51'	
	... { Goalundo ...	17th " " "	8 hours ...	22.50'	...	...	0.10'	23.10'	23.00'	
Brahmaputra	... { Gauhati ...	17th " " "	8 A.M. ...	18.20'	148.76'	166.96'	0.20'	111.26'	177.36'	
	... { Serajganj ...	17th " " "	12 hours ...	35.30'	...	...	0.10'	...	...
	... { Dibrugarh ...	17th " " "	8 A.M. ...	15.20'	...	...	0.30'	...	...
Meghna	... { Bhairab Bazar ...	17th " " "	6 hours ...	15.25'	1.61'	16.86'	...	...	...
	... { Chandpur ...	17th " " "	9.30 hours	12.00'	1.61'	13.61'	Steady	...	...
	... { Fenchuganj ...	17th " " "	7 A.M. ...	22.40'	...	...	0.30'	...	...
Dhaleswari	... Sabhar ...	17th " " "	7 " " "	25.80'	- 8.62'	17.18'	Steady	...	...
Bhagirathi	... Swarupganj ...	17th " " "	6 " " "	27.55'	1.509'	29.059'	0.17'	28.33'	24.89'	
Damodar	... Edilpur ...	17th " " "	6 " " "	9.67'	92.58'	102.25'	...	...	...
Lakhya	... Narayanganj ...	17th " " "	...	20.83'	- 5.59'	15.24'	00.2'	...	...
Madaripur Bil Route	... Takerhat ...	17th " " "	6 A.M. ...	12.40'	- 0.599'	11.801'	0.05'	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 21st August 1919

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE T. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	...	...	...	...	...	...	...	...	...	...
	Monghyr	18th Aug. 1919	6 A.M. ...	25.97'	101.83'	127.80'	...	0.20'	125.30'	118.10'
	Rajmahal	18th "	6 "	27.15'	56.319'	83.469'	0.05'	...	83.91'	77.36'
Brahmaputra	Goalundo	18th "	8 hours ...	22.50'	...	...	Steady	22.90'	23.10'	...
	Gauhati	18th "	8 A.M. ...	18.50'	148.76'	167.26'	0.30'	...	170.76'	177.26'
	Seraiganj	18th "	12 hours ...	35.40'	...	...	0.10'	...	...	...
	Dibrugarh	18th "	8 A.M. ...	15.00'	...	...	...	0.20'	...	...
Meghna	Bhairab Bazar	18th "	6 hours ...	15.25'	1.61'	16.86'	Steady	...	...	...
	Chandpur	18th "	10 "	12.08'	1.61'	13.69'	0.08'	...	...	...
	Fenchuganj	18th "	7 A.M. "	22.80'	...	...	0.40'	...	...	...
	Sabhar	18th "	7 "	25.80'	-8.62'	17.18'	Steady	...	...	...
Bhagirathi	Swarupganj	18th "	6 "	27.52'	1.509'	29.029'	...	0.03'	28.30'	24.81'
Damodar	Edilpur	18th "	6 "	9.17'	92.58'	101.75'	...	0.50'	...	...
Lakhya	Narayanganj	18th "	...	20.92'	-5.59'	15.33'	0.09'	...	...	...
Madaripur Bil Route	Takerhat	18th "	6 A.M. ...	12.40'	-0.599'	11.801'	Steady	...	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 21st August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	19th Aug. 1919	6 A.M.	25.57	101.83	127.40	...	0.40	125.20	117.70	
	19th "	6 "	27.20	56.319	83.519	0.05	...	83.81	77.21	
	19th "	8 hours	22.60	...	...	0.10	...	22.80	23.10	
Brahmaputra	19th "	8 A.M.	18.90	148.76	167.66	0.40	...	170.46	177.06	
	19th "	12 hours	35.40	...	...	Steady	...	...	...
	19th "	8 A.M.	14.90	...	...	...	0.10	...	...
Meghna	19th "	6 hours	15.33	1.61	16.94	0.08	...	...	...
	19th "	11 "	12.00	1.61	13.61	...	0.08	...	...
	19th "	7 A.M.	23.20	...	...	0.40	...	...	...
Dhaleswari	19th "	7 "	25.80	-8.62	17.18	Steady	...	...	...
	19th "	6 "	27.42	1.509	28.929	...	0.10	28.23	24.71	
Damodar	19th "	6 "	10.58	92.58	103.16	1.41	...	...	...
Lakhya	19th "	...	20.67	-5.59	15.08	...	0.25	...	...
Madaripur Bil Route	19th "	6 A.M.	12.55	-0.599	11.951	9.15	...	...	...

Statement showing the daily gauge readings of certain rivers at the stations named below for week ending Thursday, the 21st August 1919.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IS—		REMARKS.
						Rise.	Fall.	1917.	1918.	
Ganges	Monghyr ...	20th Aug. 1919	25.47	101.83'	127.30'	...	0.10'	124.90'	117.70'	
	Rajmahal ...	20th " "	27.15	56.319'	83.469'	...	0.05'	83.66'	76.81'	
	Goalundo ...	20th " "	22.60	...	...	...	Steady	22.60'	23.10'	
Erubmaputra	Gauhati ...	20th " "	18.80	148.76'	167.56'	...	0.10'	170.06'	176.96'	
	Seraiganj ...	20th " "	35.50	...	...	0.10'	...	...	...
	Dibrugarh ...	20th " "	14.70	...	...	...	0.20'	...	...
Meghna	Bhairab Bazar	20th " "	15.17	1.61'	16.78'	...	0.16'	...	...
	Chandpur ...	20th " "	12.00	1.61'	13.61'	...	Steady	...	...
	Fenchuganj ...	20th " "	23.70	...	...	0.50'	...	...	...
Dhaleswari	Sabhar ...	20th " "	25.80	- 8.62'	17.18'	...	Steady	...	...
Bhagirathi	Swarupganj ..	20th " "	27.58	1.509'	29.089'	0.16'	...	28.25'	24.43'	
Damodar	Edilpur ...	20th " "	11.50	92.58'	101.08'	0.92'	...	...	...
Lakhya	Narayanganj	20th " "	20.44	- 5.59'	14.85'	...	0.23'	...	...
Madaripur Bil Route	Takerbat ...	20th " "	12.50	- 0.599'	11.901'	...	0.05'	...	...

**List of prices of articles of food in Calcutta for the week ending
Saturday, the 23rd August 1919.**

Names of Articles.	WHOLESALE PRICE PER MAUND.		RETAIL PRICE PER SEER.	
	From—	To—	From—	To—
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Rice—				
Balam, coarse ...	8 4 0	8 6 0	0 3 3	0 3 9
„ medium ...	8 7 0	9 0 0	0 4 0	0 4 3
Patnai, coarse ...	8 0 0	8 9 0	0 3 3	0 3 6
„ medium ...	8 10 0	8 13 0	0 3 9	0 4 0
Nagra, coarse ...	8 0 0	8 8 0	0 3 6	0 3 9
„ medium ...	8 10 0	8 12 0	0 4 0	0 4 3
Dudhkalma ...	8 10 0	.....	0 3 9	0 4 3
Rangoon Boiled ...	.....	.....	0 3 3	0 3 4½
Kajla ...	7 4 0	7 10 0	0 3 3	.....
Wheat, Dudhia ...	7 8 0	.....	.....	.....
„ Gangajali ...	.....	.....	.....	.....
„ Jamali ...	7 0 0	.....	.....	.....
Gram, Patnai (whole) ...	7 4 0	7 8 0	0 3 0	0 3 6
„ dal ...	8 8 0	9 0 0	0 3 9	0 4 0
Mung „ (Hari) ...	12 8 0	13 0 0	0 6 0	.....
„ „ (Krishna) ...	12 0 0	12 4 0	0 5 0	.....
Arhar „ ...	8 8 0	12 0 0	0 3 0	0 5 0
Masur „ (split) ...	7 4 0	8 0 0	0 3 0	0 3 6
„ „ (Khanri) ...	9 8 0	10 4 0	0 4 0	0 6 0
Kalai „ ...	8 0 0	8 8 0	0 3 6	0 4 0
Salt ...	3 3 0	3 5 6	0 1 6	0 1 9
Sugar (Brown Java) ...	16 0 0	.....	0 7 0	0 9 0
Gur, Bheli ...	.....	.....	0 4 6	0 5 0
„ Bhursut ...	9 8 0	9 12 0	0 6 0	.....
„ Date ...	.....	.....	.....	.....
Milk ...	10 0 0	12 0 0	0 3 0	0 5 0
Mustard oil ...	35 0 0	40 4 0	0 14 0	1 2 0
Flour, country ...	9 6 0	10 8 0	0 4 6	0 5 0
Atta, No. 3 ...	7 8 0	.....	.....	.....
„ „ 2½ ...	7 12 0	.....	0 3 6	0 4 6
„ „ B ...	10 10 0	.....	.....	.....
Suji ...	9 8 0	10 12 0	0 4 6	0 5 0
Ghee (Bhadwa, Matki, etc.) ...	89 0 0	90 0 0	2 8 0	.....
„ (Patiram, Khurja, Ruto, Etwa, better kind, etc.) ...	85 0 0	86 0 0	2 6 0	.....
„ (Lalli, Etwa, Sagar, etc.) ...	80 0 0	81 0 0	2 4 0	.....
Maize ...	6 0 0	6 4 0	.....	.....
Potato ...	6 0 0	8 0 0	0 3 6	0 4 0
Patal ...	6 8 0	8 0 0	0 3 0	0 3 6
Brinjal ...	.....	.....	.....	.....
Onion ...	3 10 0	4 12 0	0 1 6	0 2 0
Fish, Rahu ...	30 0 0	32 0 0	0 12 0	0 15 0
Mutton (2nd class) ...	.....	.....	0 10 0	.....
Beef (2nd and 3rd classes) ...	.....	.....	0 3 0	0 5 0

N.B.—This is an abstract of prices at the following markets :—

Wholesale.—Chetla Hât, Ramkrishnapur Hât, Sealdah Fish and Milk Markets, Posta Bazar.

Retail.—Sir Stuart Hogg Market, Orphananj Market, Sobha Bazar, Nutan Bazar, Raja Babu's Bazar, Bow Bazar, Jogu Babu's Bazar, Taltolla Bazar.

S. C. Roy,

for President, Advisory Food Committee.

CALCUTTA, the 25th August 1919.

IRRIGATION DEPARTMENT, BENGAL.

Abstract Statement showing the approximate volume of Traffic and the Tollage on Canals in Bengal classed as Major Works and Minor Works and Navigation for the month of June 1919, as compared with the corresponding month of the previous year.

Canals.	1919-20.					
	WEIGHT OF CARGO.		RAFTS.		TOLLAGE.	
	During the month.	To end of the month.	During the month.	To end of the month.	During the month.	To end of the month.
<i>I.—Major Works.</i>	Tons.	Tons.	No.	No.	Rs.	Rs.
Midnapore Canal ...	8,475	22,469	932	6,944	4,002	11,832
Hijili Tidal Canal ...	9,147	28,658	12	2,033	7,739	23,875
Total ...	17,622	51,127	944	8,977	11,741	35,707
<i>II.—Minor Works and Navigation.</i>						
Calcutta and Eastern Canals ...	34,763	116,209	1,823	4,698	23,542	78,310
Tolly's Nala ...	17,459	54,354	11,100	32,200	6,002	17,621
Madaripur Bheel ...	114,330	332,388	2	839	21,393	65,955
Total ...	166,552	502,951	12,925	37,737	50,937	1,61,886
Magrahat Channels...	4,409	16,739	...	...	2,518	4,627
Orissa Coast Canal ...	5,932	15,197	43	2,475	1,186	3,885
Nadia Rivers ...	1,938	5,432	4,600	6,053	388	1,898
GRAND TOTAL ...	178,831	540,319	17,568	46,265	55,029	1,72,296

Canals.	1918-19.					
	WEIGHT OF CARGO.		RAFTS.		TOLLAGE.	
	During the month.	To end of the month.	During the month.	To end of the month.	During the month.	To end of the month.
<i>I.—Major Works.</i>	Tons.	Tons.	No.	No.	Rs.	Rs.
Midnapore Canal ...	9,025	24,833	...	2,950	4,785	15,148
Hijili Tidal Canal ...	8,737	15,513	225	1,202	7,544	13,185
Total ...	17,762	40,346	225	4,152	12,329	28,333
<i>II.—Minor Works and Navigation.</i>						
Calcutta and Eastern Canals ...	34,675	127,845	2,220	10,065	22,084	77,687
Tolly's Nala ...	16,009	46,809	8,155	23,021	5,071	14,631
Madaripur Bheel ...	118,239	395,706	33	593	23,083	86,680
Total ...	168,923	570,360	10,408	33,679	50,238	1,78,998
Magrahat Channels...	3,061	8,016	...	...	3,494	5,069
Orissa Coast Canal ...	4,167	9,977	229	5,675	1,513	3,597
Nadia Rivers ...	5,313	12,623	...	5	1,000	3,858
GRAND TOTAL ...	181,464	600,976	10,637	39,359	56,245	1,91,522

CALCUTTA,
The 26th August 1919.

G. J. ST. C. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 16th August 1919, as compared with the corresponding week of the previous year.

Nature of Cargo.	WEEK ENDING SATURDAY, THE 16TH AUGUST 1919.			WEEK ENDING SATURDAY, THE 17TH AUGUST 1918.		
	Number of boats.	Weight of cargo	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	411	44,735	831	633	85,752	1,391
Jute ...	78	27,765 ^a	317	85	39,452 [†]	443
Firewood ...	121	74,325	1,169	158	58,200	868
Other articles ...	774	188,610	2,022	764	165,238	1,890
Total ...	1,384	335,435	4,339	1,640	348,642	4,592
Empty boats and rafts ...	705	...	1,434	463	...	1,460
GRAND TOTAL	2,089	335,435	5,773	2,103	348,642	6,052

Mds.

* Weight by canal measurement ... 31,887⁶

† Ditto ditto ... 44,820

CALCUTTA,
The 22nd August 1919.

G. J. ST. C. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 23rd August 1919, as compared with the corresponding week of the previous year.

Nature of Cargo.	WEEK ENDING SATURDAY, THE 23RD AUGUST 1919.			WEEK ENDING SATURDAY, THE 24TH AUGUST 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	355	36,020	625	718	98,468	1,578
Jute ...	74	22,203 ^a	265	48	27,094 [†]	275
Firewood ...	83	43,050	661	195	117,750	1,823
Other articles ...	680	174,815	1,655	760	183,573	1,935
Total ...	1,192	276,088	3,196	1,721	426,885	5,611
Empty boats and rafts ...	431	...	1,334	563	...	1,722
GRAND TOTAL	1,623	276,088	4,530	2,284	426,885	7,333

Mds.

* Weight by canal measurement ... 25,300

† Ditto ditto ... 29,425

CALCUTTA,
The 26th August 1919.

G. J. ST. C. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalia for the week ending the 16th August 1919.

Date:	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
10th August ...	8 A.M.	Zero of gauge is at mean sea-level.	56.75	54.21	B. M. on College step corrected (P. W. D.) 64.93.
11th " ...	8 "		58.20	55.91	
12th " ...	8 "		59.20	56.31	
13th " ...	8 "		59.80	56.51	
14th " ...	8 "		60.30	56.61	
15th " ...	8 "		60.50	56.61	
16th " ...	8 "		60.85	56.91	

(a) Datum corrected by adding 1.51 to the value of zero, vide Superintending Engineer's No. $\frac{2876}{8-33-17}$, dated 10th May 1919, and Bengal Government, Public Works Department, Irrigation Branch, Resolution No. 4521, dated 17th February 1919.

			Old value.	According to P. W. D. datum.
The previous year ...	Highest water-level ...	66.52 on 30th August 1918 ...	61.71	
Ditto ...	Lowest " ...	41.70 on 21st April 1918 ...	38.89	
Record ...	Highest " ...	69.25 on 26th August 1879 ...	64.44	
Do. ...	Ditto " ...	69.08 on 9th September 1885 ...	64.27	
Do. ...	Ditto " ...	68.30 on 25th August 1906 ...	63.47	
Do. ...	Ditto " ...	68.21 on 26th August 1890 ...	63.40	
Do. ...	Lowest " ...	37.63 on 25th April 1884 ...	32.82	
Do. ...	Ditto " ...	38.13 on 14th—15th April 1883 ...	33.52	
Do. ...	Ditto " ...	39.02 on 21st—22nd April 1897 ...	34.21	
Do. ...	Ditto " ...	39.28 on 6th—7th May 1908 ...	34.47	

N. B.—The gauge-readings commenced from the 1st August 1887.

BOALIA,
The 16th August 1919.

S. C. BHATTACHARJI,
for Executive Engineer, Rajshahi Divn.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 16th August 1919.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on the same date last year.	Remarks.
1919.					
10th August ...	7 A.M.	20.6	20.6	21.4	Zero is placed at mean sea-level. The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpore ghât. Its reduced level is 22.41.
11th " ...	7 "	21.0	21.0	21.7	
12th " ...	7 "	21.6	21.6	22.0	
13th " ...	7 "	21.9	21.9	22.1	
14th " ...	7 "	22.1	22.1	22.3	
15th " ...	7 "	22.3	22.3	22.6	
16th " ...	7 "	22.4	22.4	22.9	

The previous year ...	Highest water-level ...	25.2 on 1st September 1918.	
Ditto ...	Lowest " ...	5.3 on 9th March 1918.	
Record (H.F. in Brahmaputra and Ganges) ...	Highest " ...	25.75 on 28th August 1906.	
Record (average flood in Brahmaputra and Ganges) ...	Ditto " ...	25.74 on 20th and 21st August 1893.	
Record (H.F. in Brahmaputra and Ganges) ...	Ditto " ...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.	
Record (H.F. in Brahmaputra only) ...	Ditto " ...	25.66 on 31st July 1900.	
Do. ...	Lowest " ...	1.0 on 8th February 1914.	
Do. ...	Ditto " ...	2.42 on 13th March 1908.	
Do. ...	Ditto " ...	2.91 on 21st to 24th February and 8th to 9th March 1884.	
Do. ...	Ditto " ...	3.16 on 9th to 11th March 1885.	
Do. ...	Ditto " ...	3.16 on 16th, 17th and 29th to 31st March 1901.	

N. B.—The gauge-readings commenced from 3rd October 1905.

FARIDPUR,
The 16th August 1919.

R. K. GHOSE,
for Subdivisional Officer, P. W. D., Faridpur.

**Statement showing the gauge-readings at Dacca Water-works Station
on the river Burliganga for the week ending the 16th August 1919.**

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 5 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
10th Aug.	64.25	...	...	...	...	64.25	Falling.
11th "	64.2	...	...	...	...	64.2	Do.
12th "	64.1	...	...	...	...	64.1	Do.
13th "	64.2	...	...	...	...	64.2	Do.
14th "	64.1	...	...	...	...	64.1	Do.
15th "	64.1	...	...	...	...	64.1	Do.
16th "	64.0	...	...	...	...	64.0	Do.

Notable high and low water-levels of previous years.

27th August	1906	70.5	} Taken at high tide.
5th September	1909	...	...	...	...	67.86
10th August	1910	...	...	...	...	69.86
1st "	1911	...	...	...	...	68.46
13th "	1912	...	...	...	...	67.16
31st "	1915	...	...	...	...	69.7
18th "	1916	...	...	...	...	68.1
12th "	1917	67.1	} Taken at low tide.
31st "	1918	...	...	...	...	69.12
23rd February	1907	...	...	...	...	51.06
13th "	1908	...	...	...	...	51.06
12th March	1912	...	...	...	...	51.06
6th "	1914	...	...	...	...	50.60
22nd February	1915	...	...	...	...	50.80
15th "	1916	...	...	...	...	50.60
3rd March	1917	...	...	...	...	51.0
21st February	1918	...	...	...	...	51.40

DACCA,
The 19th August 1919.

W. J. KERR,
Executive Engr., Dacca Division.

REPORT ON THE STATE OF THE SALT MARKET FOR THE FIRST QUARTER OF THE YEAR 1919-20.

GOVERNMENT OF BENGAL.

FINANCIAL DEPARTMENT.

Separate Revenue Branch (Salt).

No. 2475S.R.

Dated Calcutta, the 26th August 1919.

THE following report on the state of the salt market for the first quarter of the year 1919-20, comprising the months of April, May and June 1919, in the Presidency of Bengal, is published for general information.

2. The quantity of salt of every description cleared during the quarter amounted to 2,071,412 maunds (including 1,506,424 maunds issued under the credit system), as compared with 3,476,150 maunds (including 2,816,033 maunds issued under the credit system) in the previous quarter and 2,395,338 maunds (including 1,817,387 maunds issued under the credit system) in the corresponding quarter of the previous year. The net amount of duty levied was Rs. 24,72,946 (including Rs. 17,71,330 adjusted under the credit system), as against Rs. 33,64,657 (including Rs. 25,81,104 adjusted under the credit system) in the previous quarter, and Rs. 28,71,234 (including Rs. 21,82,127 adjusted under the credit system) in the corresponding quarter of the previous year.

3. The subjoined Table I shows in detail the importations into the Port of Calcutta and the total clearances of sea-imported salt during the quarter, compared with the figures of the corresponding quarters of the two previous years :—

Table I.

Whence imported.	1917-18.		1918-19		1919-20.	
	FIRST QUARTER.		FIRST QUARTER.		FIRST QUARTER.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
1	2	3	4	5	6	7
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
United Kingdom	12,795	103,100	108,617	17,435	282,480	311,940
Hamburg and Bremen ... ..	...	...	...	...	...	...
Port Said	642,445	656,029	944,598	1,145,732	149,723	351,880
Spain	152,809	203,556	163,334	157,490	336,214	305,800
Salif ... ..	...	...	...	...	...	...
Holland ... ..	...	...	...	...	...	...
Aden	621,223	567,759	664,606	569,404	578,769	485,338
•Rock Salt ... ..	...	...	...	...	...	...
Bombay... ..	10,086	10,084	16,336	9,318	...	...
Madras, Coconada, Vizagapatam, Masuli- patam, etc.	98,708	98,708	10,000	10,000	...	...
Massowah	158,305	182,697	154,480	141,367	108,889	216,835
North Africa (Tunis), Egypt, etc. ... ..	...	...	...	...	...	...
Straits Settlements ... ..	...	2	...	...	...	32
United States of America (Pacific Coast) ... ..	...	6	...	1	...	2
Hong Kong ... ..	...	...	...	...	...	2
China ... ..	...	...	...	...	...	2
Java ... ..	...	...	...	...	...	...
Australia (South) ... ..	...	...	...	2	...	...
New South Wales ... ..	...	...	...	...	...	5*
Italian East Africa ... ..	...	...	...	...	...	...
Total	1,696,371	1,811,941	2,061,966	2,050,609	1,456,025	1,701,891*

* Inclusive of 1,506,424 maunds of salt issued under the credit system.

Compared with the corresponding quarter of the previous year and the same quarter of 1917-18, importations were less by 29·4 and 14·7 per cent., and clearances less by 17·0 and 6·07 per cent., respectively. As compared with the corresponding period of the previous year, the increased imports from the United Kingdom and Spain, and the decreased imports from Port Said, Aden and Massowah, are noticeable.

4. Table II shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter as compared with the preceding four quarters :—

Table II.

Where stored.	First quarter of 1918-19.	Second quarter of 1918-19.	Third quarter of 1918-19.	Fourth quarter of 1918-19.	First quarter of 1919-20.
1	2	3	4	5	6
	Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea Government Salt <i>golas</i> ...	780,378	1,232,887	561,981	1,055,301	204,757
Chittagong Salt <i>golas</i> ...	407,968	629,380	383,965	295,371	79,499
Narayanganj (private bonded Salt warehouses) ...	5,120	11,302	19,280	27,453	5,955
Bhairab Bazar (private bonded Salt warehouses) ...	8,562	1,465	...	10,900	7,005
Jhalakati (private bonded Salt warehouses)...	16,287	20,631	31,411	23,611	25,155
Madaripur (private bonded Salt warehouses)...	770	...	...	...	415
Chandpur (private bonded Salt warehouses)...	10,830	5,773	1,363	2,206	...
Total ...	1,229,915	1,901,438	998,630	1,413,942	322,786

5. The figures showing the despatches of salt from Calcutta by different routes during the quarter under report will be published as usual in the *Calcutta Gazette* by the Director of Statistics with the Government of India when they are available.

6. The quantity of salt despatched during the quarter by the East Indian Railway to stations beyond Buxar was *nil* as was in the previous quarter, as well as in the corresponding quarter of the previous year.

7. The quantity of saltpetre salt excised in the refineries of Bengal during the quarter was *nil*, as compared with *nil* in the previous quarter and 430 maunds in the first quarter of the previous year.

8. No information was available concerning the shipments of Liverpool salt during the quarter for the Port of Calcutta.

9. Table III shows the average wholesale prices* per 100 maunds of Liverpool and other descriptions of salt at the Port of Calcutta during each fortnight of the quarter :—

Table III.

Description of salt.	Fortnight ending the 15th April 1919.	Fortnight ending the 30th April 1919.	Fortnight ending the 15th May 1919.	Fortnight ending the 31st May 1919.	Fortnight ending the 15th June 1919.	Fortnight ending the 30th June 1919.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Liverpool <i>panga</i> ...	111 7 3	151 0 0	182 7 1	188 0 0	...	...
Port Said crushed	100 0 0	...	178 12 0	180 0 0	178 0 0	179 3 6
Bombay <i>karkuch</i> ...	...	...	...	...	...	...
Aden crushed ...	100 0 0	120 0 0	170 0 0	180 0 0	171 0 0	179 0 0
Salif crushed ...	...	...	...	...	...	...
Spanish <i>karkuch</i> ...	130 0 0	155 0 0	...	183 0 0	183 0 0	183 0 0
Madras salt ...	120 0 0	122 8 0	130 0 0	127 8 0	117 8 0	113 8 0

* The prices are exclusive of the Port Commissioners' special toll of 4 annas per ton and Customs duty of Rs. 1-4 per maund.

10. The subjoined Table IV shows the average wholesale prices per 100 maunds of salt at the Port of Chittagong during each fortnight of the quarter :—

Table IV.

Description of Salt.	Fortnight ending the 15th April 1919.	Fortnight ending the 30th April 1919.	Fortnight ending the 15th May 1919.	Fortnight ending the 31st May 1919.	Fortnight ending the 15th June 1919.	Fortnight ending the 30th June 1919.
1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Liverpool <i>panga</i> ...	...	...	...	...	...	...
Aden ...	125 0 0	178 2 0	187 8 0	187 8 0	189 1 0	189 1 0
Hamburg ...	...	...	...	...	...	...
Spanish ...	...	...	...	...	...	...
Port Said ...	118 12 0	175 0 0	187 8 0	187 8 0	189 1 0	189 1 0

11. Table V below shows the quantities of sea-imported salt admitted into bond and cleared from bond and shipboard at the Port of Chittagong and at the several inland warehousing stations :—

Table V.

Port or station	Description of salt.	ADMITTED INTO BOND.		CLEARED FROM BOND AND SHIPBOARD.	
		First quarter of 1918-19.	First quarter of 1919-20.	First quarter of 1918-19.	First quarter of 1919-20.
1	2	3	4	5	6
		Mds.	Mds.	Mds.	Mds.
Chittagong	English <i>panga</i> ...	...	...	2	2
	Aden ...	146,767	63,074	35,806	73,031
	Hamburg ...	...	...	...	...
	Spanish ...	...	...	87,262	...
	Port Said ...	236,765	...	125,510	218,093
	Massowah ...	...	...	...	...
Narayanganj	English <i>panga</i> ...	19,490	15,000	25,804	37,479
	Aden ...	7,000	...	7,362	...
	Spanish ...	10,000	3,000	7,200	500
	Port Said ...	5,500	...	4,560	5,450
	Massowah ...	...	5,000	...	...
Jhalakati	English <i>panga</i> ...	15,000	22,000	10,716	21,566
	Spanish ...	9,300	3,500	10,097	3,465
	Massowah ...	3,600	2,000	3,576	1,980
	Port Said ...	3,100	...	3,069	...
Bhairab Bazar	English <i>panga</i> ...	10,000	...	3,729	5,000
	Spanish ...	...	...	...	...
Madaripur	English <i>panga</i> ...	...	1,500	...	1,470
	Spanish ...	...	1,500	...	1,485
	Port Said ...	...	...	...	...
	Massowah ...	1,000	...	900	...
Chandpur	Aden ...	10,200	...	6,198	...
	Port Said ...	15,100	...	12,669	...
	Spanish ...	...	...	...	...
	Massowah ...	...	...	269	...
	Total ...	492,822	116,574	344,729	369,521

As compared with the corresponding quarter of the previous year, the quantities admitted into bond and cleared from bond and shipboard were less by 76·3 and more by 7·2 per cent., respectively.

By order of the Governor in Council,

C. F. PAYNE,
Secretary to the Govt. of Bengal.



The Calcutta Gazette

WEDNESDAY, SEPTEMBER 3, 1919.

SUPPLEMENT.

OFFICIAL PAPERS.

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REPORT ON FAMINE IN THE DISTRICT OF BANKURA FOR THE WEEK ENDING THE 23RD AUGUST 1919.

THE rainfall during the week was general and sufficient. Transplantation has been almost completed. The distress is decreasing owing to hopeful agricultural prospects. Sixty-four relief works were open during the week and the number of persons relieved on them was 7,167. The total number of persons on gratuitous relief was 17,334, viz., 12,186 on cash doles in 128 unions, 3,683 on paddy-husking advances, 885 weavers and 580 better class poor. The grand total of persons relieved was 24,801. The increase in the number of persons relieved on works was due to the completion of field work, and the decrease in the number of persons relieved on cash doles was due to better agricultural prospects and harvesting of early *bhadoi* crops. The number of persons relieved on private works was 800. The charitable societies also relieved 925 persons on weekly rice doles and 1,000 on daily rice doles and cooked food. One case of rice looting is reported during the week. The public health on the whole is good. Sporadic cases of cholera, malaria and influenza are reported. Cloth is being distributed to destitutes. The price of common rice varied from 5½ to 5¾ seers per rupee. Burma rice is being sold.

M. C. McALPIN,

Secy. to the Govt. of Bengal.

CALCUTTA, the 28th August 1919.

**RESOLUTION ON THE REPORT ON THE OPERATIONS OF
THE DEPARTMENT OF AGRICULTURE, BENGAL, FOR
1918-19.**

GOVERNMENT OF BENGAL.

REVENUE DEPARTMENT.

Agriculture Branch.

CALCUTTA, THE 2ND SEPTEMBER 1919.

RESOLUTION—No. 7274.

READ—

The Report on the Operations of the Department of Agriculture, Bengal, for the year 1918-19.

MR. S. MILLIGAN was in charge of the department throughout the year, but after its close was compelled to go on medical leave. Of the two Deputy Directors, Mr. K. McLean returned from military duty to the department early in February and Mr. F. Smith went on leave on account of ill-health at the end of January. In their absence Mr. Rajeswar Das Gupta continued to officiate as Deputy Director during the year with such success that he has subsequently, with the sanction of the Secretary of State, been appointed permanently to the Indian Agricultural Service and confirmed in the third post of Deputy Director which has been created. The province is still without the services of its separate Chemical Expert, Mr. Annett, who was working in the United Provinces. Mr. Finlow, the Fibre Expert, therefore, performed the duties of Agricultural Chemist in addition to his own. Mr. Hector was Economic Botanist throughout the year. To each division a Superintendent, a member of the Provincial or Bengal Agricultural Service, was attached. The recruitment of district agricultural officers for each district in the Presidency was completed after the close of the year.

2. The number of students from Bengal at the inter-provincial agricultural college at Sabour, in the district of Bhagalpur, in the province of Bihar and Orissa, rose from 17 in the previous year to 32 in the year under review; of these, four held scholarships awarded by District Boards. The advance in numbers is remarkable and is attributed to the stimulus afforded by the creation of a service of district agricultural officers in Bengal, which was at the time under recruitment. On the basis of a scheme formulated by Mr. E. Biss of the Education Department, the establishment of two agricultural vernacular schools, one at Dacca and the other at Chinsura, was sanctioned during the year, for the training of the sons of cultivators in improvements in purely practical agriculture. It is hoped that most of the boys who attend these schools will return to their homes to make practical use of what they have been taught; and there is no thought or design of providing them with employment in Government service subsequently. It is expected that the school at Dacca will open in next January. A prospectus is under preparation which will be obtainable from the Director of Agriculture. The result of this experiment will be awaited with much interest. At the same time a scheme for the creation of an Agricultural Institute at Dacca, as foreshadowed by the Calcutta University Commission, is also under consideration.

3. The *indrasail* variety of transplanted *aman* paddy, or winter rice, which the Agricultural Department discovered by a process of selection, continues to be the best in point of view of yield; it is estimated that it yields three maunds per acre more grain than the average of the local varieties it displaces. Originally the distribution of the seed of this variety had been confined to the Dacca and Mymensingh districts; but in the year under

review it was extended over wider areas in Eastern and Northern Bengal, where the variety is reported to be generally suitable. Seventy-five tons of seed were distributed in 10-lbs. packets, and those cultivators, who are so fortunate as to possess a surplus of seed, are supplying their neighbours with seed. It is estimated that there will be 250,000 acres under this variety in the present season, 1919-20. Its success appears to be established. Experiments were made in the selection of the best deep-water winter varieties suitable to the low-lying areas in the east and south-east of the province. The *Kataktara* variety of *aus* paddy, or autumn rice, also discovered by a process of selection, was tested in nearly all the districts in which such rice is grown. It met with remarkable success and a large demand has arisen round centres where the seed has been distributed; for, it is not only superior in yield but also in quality to the ordinary variety of autumn rice. Another variety of autumn rice, viz., the *Surjamukhi*, which appears to have nearly the same advantages as *Kataktara* together with superior advantages in the way of straw, is under experiment. A special effort is also being made to discover an early but heavy yielder for use in the high lands of such districts as Bankura, where the crop is precarious and frequently fails in a year of short rainfall. So far the results from the trials of the selected variety of *Kataktara* as a transplanted rice in that district are encouraging, whilst in the Botanical Section experiments are being made to obtain by a series of crosses a combination in one variety of the two qualities of earliness and high yield. Moreover, a survey of the varieties grown in the Presidency and Burdwan Divisions has been started at Chinsura, with the object of selecting the best early varieties suitable to the west of the province.

4. During the year the distribution of seed of the selected *Kakya* *Bombai* variety of *Capsularis* jute was extended to cultivators in Eastern and Northern Bengal outside the Dacca and Mymensingh districts to which the distribution had previously been confined. Fifty-five tons of seed were so distributed. Approximately 25 tons in 1918 against 4 tons in 1917 was also distributed in $\frac{1}{4}$ lb. packets for the multiplication of seed, but only 50 per cent. of the resulting crop was actually used for this purpose; the fibre of the remainder was sold. On account of its heavy yield not only the cultivators, but also the trade, appear to be well satisfied with it for ordinary purposes. It is estimated that it produces two maunds per acre more jute than the average local races, and that 100,000 acres have been planted with it in the present season, 1919-20. The demand for the seed is greater than the supply, with the result that in Faridpur cultivators have been forced to grow their own seed requirements, in this way fulfilling one of the aims of the Agricultural Department. Experiments continued to be made in the selection of the best variety of *Corchorus Olitorius*, which is more suitable to Western Bengal than *Capsularis*. Tests are being made of a promising new race (Chinsura green).

5. Investigations were continued into the "ufra" disease which attacks deep-water paddy. These confirm the general recommendations which have been made with regard to this pest, viz., the burning of the stubble of the previous crop and dealing with the low-lying area which remains wet throughout the year. But as the burning of stubble confers no benefit on the individual unless all his neighbours do it, the lines of attack developed by the department during the year were the conversion of low-lying areas into *boro* lands, and the encouragement of *rabi* cultivation and of the growth of early varieties of paddy which escape the disease.

An investigation into *Chlorosis*, a disease of the jute plant, has led to the tentative conclusion that immunity of the plants to the disease is hereditary in character.

Along with diseases may be mentioned that pest, the water-hyacinth, which is gaining ground in this Presidency with the rapidity of rabbits in Australia. The department has been spreading amongst the cultivators information of the uses which can be made of the weed as a fertilizer, as fuel or as fodder. An apparatus has also been devised for the extraction of potash salts on the spot, but it is expensive to work. Too much emphasis cannot, however, be laid on the fact that such measures for the utilization of the weed, where they can be taken without fear of the pest being exploited

or fostered for commercial gain, are only palliatives. Local bodies have therefore been advised to address themselves to the work of the complete extinction of the weed by uprooting and burning it, root and branch. In this herculean task the Governor in Council invites the co-operation of the whole population.

6. Amongst other activities of the Agricultural Department during the year under review may be mentioned the investigation of fertilizers suitable for jute; the chemical survey of the different soils in the province; the expansion of the new crop of groundnut in the Burdwan Division; the improvement of the tobacco crop; and the examination and selection of local and exotic varieties of sugarcane in respect of their suitability to Bengal conditions. Strides have been made in the work done at the Rangpur cattle farm, and it is now anticipated that the question whether the importation of outside blood is necessary or desirable for the improvement of breed will soon be answered. Until, however, this problem is solved, the Director of Agriculture rightly remarks that such operations should not be extended. During the year, owing to the marked rise in the price of cotton goods, public attention was attracted to the question of extending the cultivation of cotton in Bengal. A free distribution of the Dharwar variety was accordingly sanctioned for the April sowings, the result of which must be awaited; and Mr. N. Pillai, the Weaving Expert, was placed on special duty to investigate the requirements of the local weavers in respect of cotton and the number of *charkars* (spinning wheels) in the province. That conditions in Bengal are not generally favourable to any marked extension of cotton cultivation is now confirmed by the opinion expressed in the report of the Indian Cotton Committee, 1919, that exotic varieties of cotton are unsuited to the climatic and other conditions of the province, and that there seems no prospect of any appreciable extension of the area under the indigenous varieties. The recommendations of that Committee are under examination.

7. In pursuance of the policy of providing each district in Bengal with a farm, the establishment of three new farms was sanctioned in Mymensingh, Comilla and Bogra. It is anticipated that they will be ready for work in the forthcoming cold weather. The District Boards of Pabna and Bakarganj have also come forward with offers of co-operation in the establishment of farms in these two districts. Further, Sir Daniel Hamilton placed a farm at the disposal of the Agricultural Department at Gosaba in the 24-Parganas. The establishment of seed stores at each district headquarters in the province was sanctioned during the year.

8. An encouraging feature of the year is the growth of small non-official thana associations of practical cultivators as a link between the Agricultural Department and the cultivators in the districts of Birbhum and Faridpur. The attitude of Government towards these associations and the functions they are expected to perform in providing this link have been described in an important Resolution, No. 631T.R., published by this Government on the 7th June 1919. Since the close of the year a Board of the Agricultural Department, Bengal, has been established to advise on agricultural questions affecting the whole province. Its constitution is as follows:—

- (1) The Director of Agriculture, Bengal, *ex officio* President;
- (2) The Deputy Directors of Agriculture, Bengal;
- (3) The Agricultural Experts in Bengal; and
- (4) The Superintendent, Civil Veterinary Department, Bengal, so long as the Veterinary and Agricultural Departments are amalgamated.

The duties of the Board will be mainly advisory; they will advise Government on matters referred to them for opinion or on any other matter which the President may consider suitable for discussion. The President is empowered to convene committees to sit at any time during the year, to which visitors may be invited whose presence is necessary for the discussion of the particular matter in hand, such as, representatives of a trade concerned, and others.

There will be an annual meeting which will be held on such date and in such place as the President may decide. To it the Director of Agriculture is

empowered to invite other officials interested in agriculture, large land-owners, representative agriculturists, representatives of the allied trades and others interested in rural development, selected in such a manner as to be representative of the agricultural interests of each district throughout the presidency.

9. Another remarkable feature of the year was the increase in the sale of the Government-examined seed of silkworms by 31 per cent. under the control of Babu A. C. Ghosh, coupled with the discovery that the area of land under mulberry cultivation had increased by 33 per cent. since the year 1913. These facts are both tokens of the growing popularity of the Government seed as well as of a stronger demand for Bengal silk. Cross-breeding experiments were continued both at Berhampore under Mr. P. C. Chaudhuri and in Calcutta under Miss Cleghorn. Certain results have been obtained, but it is not intended to distribute the new hybrid races until their hardiness and immunity to disease under local conditions is established.

10. From the above description of the work of the department during the year, it will appear that there is considerable justification for the Director's assertion that the past year may be said to have been one of all-round progress for the Agricultural Department. If it does not provide a sufficient answer to the critics of the department, who allege that its successes are either non-existent or not very conspicuous, the following quotation from the report may serve to bring home to them the fallacy of such an allegation:—

"The departmentally selected rice and jute at present occupy roughly 250,000 acres and 100,000 acres, respectively. Taking the average increased yields of the improved paddy and jute over local races which they have replaced, to be 3 maunds (240 lbs.) and 2 maunds (160 lbs.) per acre, respectively, we arrive at the conclusion that, in the present year, the Bengal cultivator will, in the aggregate, be better off, on this account alone, by about Rs. 40 lakhs (£250,000 sterling). This figure may be expected to increase rapidly, for practically the whole rice and jute crops of the province will probably be affected in quite a few years. In this case the net income of the cultivators of rice and jute in Bengal would be increased by as much as Rs. 12 crores (£7,500,000 sterling) per annum."

If the department does only this, it will have fully justified its existence, though there are still many other ways in which it can prove its usefulness. The Governor in Council has, therefore, much pleasure in acknowledging the services of Mr. Milligan, the permanent Director of Agriculture, of Mr. Finlow, the present officiating Director, and of those of the officers who have assisted them; the support which has been given them by numerous private individuals, commercial firms and local bodies; and the zeal with which Mr. G. S. Dutt, I.C.S., the Collector of Birbhum, has entered into the question of the development of agriculture in that district.

By order of the Governor in Council,

M. C. McALPIN,

Secy. to the Govt. of Bengal.

NOTIFICATION.

No. 7187B.G.—The 30th August 1919.—The report on the working of the Government Cinchona Plantations and Factory in Bengal for the year 1918-19 is published for general information.

M. C. MCALPIN,
Secy. to the Govt. of Bengal.

**FIFTY-SEVENTH ANNUAL REPORT OF THE GOVERNMENT
CINCHONA PLANTATIONS AND FACTORY IN BENGAL FOR
THE YEAR 1918-19.**

1. **General.**—From the beginning of 1875-76, the year in which factory products began to be issued, to the end of 1918-19, a period of 44 years, 219,200 lbs. of Cinchona Febrifuge were issued. Up to the end of 1886-87 this drug was the only and up to the end of 1889-90 the main product of the factory, but from 1890-91 onwards its issue steadily declined until 1914-15 when the scarcity and high cost of quinine brought Cinchona Febrifuge again into medical fashion. During the 18 years 1901-02—1918-19 the total quantity issued was 79,390 lbs., of which 36,842 lbs., or over 46 per cent., were sold during the last four years. From the beginning of 1887-88, in which year quinine began to be issued, to the end of 1918-19, a period of 32 years, the total quantity of quinine issued was 577,490 lbs., 15 oz. Of this quantity 242,296 lbs., or almost 42 per cent. of the total, were issued during the last four years. These figures are eloquent of the strain thrown on the Department by the demands of the war years. The immediate brunt fell upon the quinine reserve which the Department was fortunately enabled to build up at very low cost and just in time, and which stood at over 163,000 lbs. when war broke out. The reserve, however, could not meet indefinitely such a drain, and as during the latter half of the war period it was impossible to purchase either bark or quinine to supplement it, or even to foretell when such could be purchased, recourse was perforce had during the last two years to the otherwise undesirable expedient of increasing the immediate plantation harvest by cutting out immature acreages. Thus, the average age of the Munsong acreage cut out in 1918-19 was 6·7 years with an average total yield per acre of about 2,000 lbs. against a yield of 3,260 lbs. per acre from Mungpoo, where the average age of the acreage cut out was 9 years. In the circumstances this sacrifice of bark increment paid well, for the price of such quinine as could be got in the market ranged from Rs. 28 to Rs. 60 or more per lb. as against Rs. 7, the cost of manufacture from plantation bark. Still, the fact has to be faced that 2,270 acres of the 2,600 now under Cinchona are under 7 years of age. To allow of these acreages gaining a normal amount of bark increment, only a normal amount of "thinnings" should be harvested for the next few years. It should be possible to arrange for this, as the demand for quinine should now sink to a more reasonable level, and there is likely to be available from outside sources bark to be purchased by the Government of India, which bark with the harvest normal to the ages of the acreages of the plantations should suffice to keep the factory output up to a normal demand. As the partial sacrifice of bark increment was not in itself sufficient to counteract the heavy drain on the reserve, Government, as soon as export of quinine was resumed from Java, purchased in 1918, 49,000 lbs. of quinine at a cost of practically Rs. 13 lakhs. Although the purchase of this quinine has no direct bearing on the work of the Department, which has not even handled the quinine, for accounts purposes its cost and the revenue from its sale are most conveniently considered as coming within the Department's scope. All the Cinchona on the plantation, except 48 acres, has been planted since 1909-10. The total expenditure on the entire Department for the last ten years, exclusive of the Rs. 13 lakhs, is Rs. 27,30,806, and the total revenue, exclusive of the Prisons Department's share, is Rs. 71,79,916. The surplus, Rs. 44,49,110, is equal to a return of 28 per cent. per annum on each year's total expenditure during the period from the year of expenditure to the end of the period. In addition, the value of block and stock, exclusive of the 49,000 lbs. of quinine added to the latter, at the end of 1918-19 is over Rs. 20 lakhs in excess of the value of block and stock at the beginning of

1909-10. The debiting of Rs. 13 lakhs has the immediate effect of reducing the annual percentage figure to 18 per cent., but of course the value of stock is also increased by about Rs. 10 lakhs, not Rs. 13 lakhs, as the price of quinine has gone down since the purchase of the 49,000 lbs. As the stock is disposed of the percentage return will mount up again. The total value of block and stock at present is about Rs. 40 lakhs.

Had there been a sufficient acreage under Cinchona in India to produce the extra 49,000 lbs. of quinine that had to be purchased, the quinine would have cost only Rs. 3,43,000 instead of Rs. 13 lakhs. This is a practical argument in favour of India endeavouring to produce all the quinine it requires, and it is one that is likely during the next decade to present further opportunities of being appreciated, though it is to be hoped not in so pronounced a fashion as on this occasion.

2. **Extensions, acreages and crops.**—(a) *Mungpoo*.—Rainfall was 136·29 inches against an average of 123·56. Violent hailstorms on several occasions played havoc in the Cinchona nurseries with the result that there was a shortage of seedlings, which prevented the full programme of planting being carried through. Reversion to close planting—4 feet by 4 feet—also curtailed the superficial acreage planted. Cinchona extensions in all were 132 acres, consisting of 122 of *C. Ledgeriana*—100 on Mungpoo and 22 on Sittong divisions respectively,—and 10 of *C. Ledgeriana* × *C. succirubra* on Sittong. Nearly 56,700 trees, equivalent to 61 acres, of Cinchona of various ages, but of an average age of 9 years, were cut out, yielding 197,929 lbs. of dry bark, an average of 3·4 lbs. per tree or 3,260 lbs. per acre. Of the total bark harvest, 3,593 lbs. were *C. succirubra*, 35,949 lbs. *C. Ledgeriana* × *C. succirubra* and 158,387 lbs. *C. Ledgeriana*. The average quinine percentage of the Ledger bark was 5·11—the highest percentage yet recorded—of the hybrid bark 4·26, and of the mixed barks 4·9. At the end of March 1919 there were 525 acres under a full complement of Cinchona. During the year 202 acres were reafforested, bringing the total area now planted up with fuel and timber trees to 3,040 acres. Over 1,060 tons of wood fuel of value Rs. 1,740 and over 3,000 cubic feet of sawn timber of value Rs. 872 were supplied free to the Factory. Two *Sirocco* driers were purchased which have proved most useful in hastening the drying of bark during the rains.

(b) *Munsong*.—Rainfall was 103·18 inches against an average of 96·10. As in Mungpoo, hailstorms did considerable damage and a descent of frost killed about 30,000 seedlings. Extensions were 330 acres, consisting of 258 *C. Ledgeriana* (74 on Munsong, 44 on Burmiak and 140 on Sangser divisions respectively), 42 of *C. Ledgeriana* × *C. succirubra* on Munsong division and 30 of *C. Ledgeriana* × *C. officinalis* on Burmiak. About 334,000 trees, equivalent to 311 acres, of various ages, but averaging 6·7 years, were cut out, yielding 624,850 lbs. of dry bark or an average of about 2 lbs. per tree and 2,000 lbs. per acre. Of the total harvest 541,650 lbs. were *C. Ledgeriana*, 35,680 lbs. *C. Ledgeriana* × *C. succirubra*, 38,880 *C. officinalis*, 8,320 *C. succirubra*, and 320 (*C. Ledgeriana* × *C. officinalis*). The average quinine percentage of the Ledger bark was 4·87, of the Hybrid (*C. Ledger* × *succirubra*) 3·66 and of the *C. officinalis*, 3·93. The average of the mixed barks was 4·8. At the end of March 1919, there were 2,075 acres under a full complement of Cinchona. During the year 62 acres of old Cinchona land were reafforested, bringing the total reafforested area on Munsong up to 366 acres.

(c) *Plantations as a whole*.—The total area under a full complement of Cinchona is 2,600 acres, of which 2,270 are under 7 years of age. Details are given in Appendix A.* The approximate number of Cinchona trees is 3,700,000, of which about 910,000 are on Mungpoo and 2,790,000 on Munsong. The total bark harvest was 822,779 lbs.

3. **Factory work.**—186,500 lbs. of Mungpoo, 564,414 lbs. of Munsong, and 15,249 lbs. of South Indian, in all 766,163 lbs. were worked up. The average quinine percentages of the various barks were Mungpoo 4·9, Munsong 4·8, South Indian 3·12, so that the total amount of quinine sulphate theoretically available in the total quantity of bark used was 36,127 lbs. The actual quantity of quinine sulphate made was 32,640½ lbs. This, with 1,251 lbs. in the Cinchona Febrifuge and other quinine salts made, is equivalent to an extraction efficiency of 93·8 per cent. In addition to the 32,640·25 lbs. of

* Not printed.

Quinine Sulphate, 103 lbs. of other Quinine salts, 11·25 lbs. of Cinchonidine Sulphate, 46·5 lbs. of Quinoidine and 11,439·75 lbs. of Cinchona Febrifuge were manufactured, or a total of 44,240·75 lbs. of Cinchona products. The factory also turned out 1,633 lbs. of quinine sulphate from bark purchased in Java by the Government of India. No account is taken of this in the Provincial stock, as such quinine is being kept aside as part of the Government of India reserve. The cost of extraction, however, at Rs. 2·6 per lb. of quinine extracted has been met from the Provincial allotment, and this cost remains for adjustment with the Government of India hereafter.

4. **Cost and value of plantation bark.**—The 197,929 lbs. of bark harvested from Mungpoo at 3·6 annas per lb. cost Rs. 44,534. The unit rate for bark during 1918-19 being 2 annas and the average quinine percentage of Mungpoo bark being 4·9, the market value of the bark was 9·8 annas per lb. or a total of Rs. 1,21,232, or Rs. 76,698 *plus* freight and carriage charges more than it actually cost. The 624,850 lbs. of Munsong bark at 2·7 annas per lb. cost Rs. 1,05,443, whereas its market value at 2 annas per unit and an average percentage of 4·8 was 9·6 annas per lb. or a total of Rs. 3,74,910 or Rs. 2,69,467 *plus* freight and carriage charges more than its actual cost. The total cost of the total harvest was Rs. 1,49,977, while the actual market value was Rs. 4,96,142. In other words, purchase of the same quantity of bark in the market would have cost Government Rs. 3,46,165 *plus* freight and carriage charges more than it actually did cost.

5. **Cost and value of quinine produced**—(a) **Cost in the bark.**—The 750,914 lbs. of plantation bark used in the factory cost—at 3·6 annas per lb. for Mungpoo and 2·7 for Munsong—Rs. 1,37,197 and yielded 32,194½ lbs. of quinine. The cost of quinine in the plantation bark before extraction was, therefore, Rs. 4·25 per lb. The 15,249 lbs. of South Indian bark, purchased last year, cost Rs. 6,700 and yielded 446 lbs. of quinine, so the cost of quinine per lb. in South Indian purchased bark before extraction was Rs. 15 per lb.

(b) **Cost of extraction, packing and delivery to railway.**—The factory expenditure, exclusive of bark and quinine purchase, but *plus* depreciation, share of general charges, and other charges and *minus* the cost of manufacturing Cinchona products other than quinine, was Rs. 90,462. The total quantity of quinine, including the quinine from the Java bark, manufactured, was 34,273 lbs. The cost of extraction per lb. of quinine produced from all barks was, therefore, Rs. 2·6.

(c) **Total cost per lb.**—For plantation bark this was Rs. 6·85 per lb. and for South Indian purchased bark Rs. 17·6.

(d) **Value.**—At Rs. 20 per lb.—about the lowest rate at which quinine could be purchased landed in India,—the total value of the 32,640½ lbs. of quinine produced for the Government of Bengal was Rs. 6,52,805 which is Rs. 4,24,036 more than it actually cost Government to produce it.

6. **Sales and selling rates.**—Total issues were 67,331 lbs. 1 oz. of Cinchona products and 4,204 lbs. of bark. Of the total, 50,236 lbs. were of quinine sulphate, of which 12,773 lbs. 14 oz. were sold or distributed in tablet form as "treatments". This is a considerable drop from the quantities sold for "treatments" during 1914-16. Quinine in tablet form was sold at the rate of Rs. 43-12 per lb. Quinine in powder form was sold at rates varying from Rs. 26 to Rs. 28 per lb. according to quantities. Rates for other products were Cinchona Febrifuge Rs. 5 to Rs. 6; Cinchonine and Cinchonidine Rs. 11 to Rs. 12; Quinoidine and Residual alkaloids Rs. 4 to Rs. 5.

7. **Expenditure and receipts.**—The total direct expenditure on the Department was Rs. 2,88,751-12-1. In addition to this, Rs. 8,89,486-9 has so far been debited against the Department on account of the purchase by the Government of Bengal of 49,000 lbs. of quinine from Java to replenish the Provincial quinine reserve. This brings the total expenditure up to Rs. 11,78,238-5-1. The gross receipts were Rs. 15,11,724-10-10, of which Rs. 7,70,475 were credit and Rs. 7,41,249-10-10 cash. Of the latter Rs. 1,65,180-2 are claimed by the Prisons Department to cover the cost of converting 12,773 lbs. 14 oz. of purified quinine into tablet form and for packing and distributing the tablets. The net revenue to be accredited to the Cinchona Department is, therefore, Rs. 13,46,544-8-10 and the net surplus for the year Rs. 1,68,306-3-9. This is a small money surplus compared with

that of last year, but much less quinine has been sold—50,236 lbs. as against 98,145 lbs.—and in addition nearly Rs. 9 lakhs have gone in the purchase of quinine to bring up the reserve.

8. **Quinine reserve and stock account.**—The Provincial quinine reserve has been increased by 31,404½ lbs. and at the end of the year was 94,653 lbs. The value of stock of all sorts on the 31st March 1919 was Rs. 20,58,715, of which Rs. 18,93,060 is represented by quinine. Factory products and bark have been valued at lowest wholesale market rates, other things at cost price.

9. **Block account.**—This is shown in Appendix* F. The Cinchona trees are valued at Rs. 15,01,218, the timber trees at Rs. 2,61,738, buildings at Rs. 1,30,012 and machinery at Rs. 76,693. Total value is Rs. 19,69,661.

10. **Profit and Loss valuation.**—The change since the end of last financial year in valuation of block and stock, expenditure—except capital expenditure—and receipts also being taken into computation, shows a profit balance of Rs. 5,51,909.

11. **Land rent.**—Rupees 4,826-2 were paid into the Darjeeling Treasury on this account.

12. **Staff.**—Lieut.-Colonel A. T. Gage, I.M.S., was in administrative charge throughout the year. Mr. G. E. Shaw, B.Sc., F.I.C., F.C.S., Government Quinologist and Mr. P. T. Russell, Manager of Mangpoo, were on deputation—the former for one month from the 24th March 1919, the latter for four months from the 1st January 1919—under the Director of the Botanical Survey of India in connection with the scheme for starting Cinchona plantations and a quinine factory in the Tavoy district in Burma. Mr. T. H. Child, Assistant Quinologist, on return from active military service, resigned his post on the 6th March 1919. All the officers of the Factory and Plantations and the clerical staff performed their duties with their wonted efficiency.

ADDENDUM.

Medicinal plants other than Cinchona.

Ipecacuanha.—By specially protecting the nurseries all the plants survived the cold weather. About 15,000 cuttings have been struck and the stock of plants now stands at 70,000. The older plants are now seeding freely. This should hasten the time of production of root for manufacture, as there should now be less need to utilize roots for propagation.

Digitalis.—There are now about 4 acres under *Digitalis*. The plants are flourishing and by June 1920 should produce about 4,000 lbs. of dried leaf. The *Sirocco* driers have proved a great help in dealing with the harvest of this crop. During the year 80 lbs. of dried leaf were supplied to Medical Depôts.

Chenopodium.—About 15 acres have been sown broadcast with *C. ambrosioides* and *C. anthelminticum*, but so far this method of cultivation is not so promising as transplanting from seed beds. The yield of oil, about 1½ lbs. per acre, is very poor, and it scarcely pays to cultivate it. Until definite medical opinion in favour of the use of *Chenopodium* oil in the treatment of hookworm disease is forthcoming, it would not be advisable to extend cultivation.

Belladonna.—This has proved a troublesome plant to grow at Mungpoo, the seedlings transplanting badly. So far one acre has been planted which is expected to yield about 300 lbs. of dried leaf the first year after planting.

Lycopodium.—This occurs naturally in fair abundance on Mungpoo plantation, and is more than enough to supply all the Medical Stores requirements so far indicated. Twenty lbs. of *Lycopodium* spores were supplied to the Madras Medical Stores and 142 lbs. to a private firm.

Other medicinal plants.—Seeds of other medicinal plants have been sent to Mungpoo, but it is too early yet to report on them.

A. T. GAGE, LT.-COL., I.M.S.,

Superintendent, Royal Botanic Garden, Calcutta,
and of Cinchona Cultivation in Bengal.

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 28th August 1919.

Summary.—During the week rainfall was heavy in the Chittagong Division and generally light to moderate elsewhere. The recent rainfall has facilitated further transplanting of winter paddy, but more rain is still urgently needed for the purpose in North Bengal and in parts of East Bengal. Transplanting has nearly been completed in West Bengal, where prospects are reported to be hopeful. Weeding is progressing. Autumn paddy is being reaped and a satisfactory outturn is expected. Owing partly to deficient rainfall and partly to lowness of river flood steeping of jute is being hampered in North and East Bengal. The average price of common rice for the province has risen by about 6·30 per cent. as compared with that of the previous week. The average number of persons engaged daily in test works in Brahmanbaria subdivision of Tippera district was 154.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3.	4	5	6
		Inches			
1	24-PARGANAS	4·69	4	5½	Transplanting of <i>aman</i> paddy and harvesting of <i>aus</i> paddy are progressing. Condition and prospects of jute are good. Damage by insects is reported from some places in Barasat subdivision. Harvesting of jute is progressing in the Barasat and Basirhat subdivisions. Fodder and water are sufficient.
	Diamond Harbour.	(n)	(n)	(n)	
	Barrackpore	0·86	4½	(n)	
	Barasat ...	0·87	5	5½	
	Basirhat ...	1·55	4½	5½	
2	NADIA ...	1·24	4½	5½	Prospects of standing crops, including jute, are good. Harvesting of <i>aus</i> paddy continues. The steeping of jute has commenced. Effects of weather are favourable. Some damage to jute has been done by insect-pests.
	Kushtia ...	0·52	5	5	
	Meherpur ...	0·70	6½	5½	
	Chuadanga ...	0·92	5	5	
	Ranaghat ...	(n)	(n)	5½	
3	MURSHIDABAD	1·45	5	5	Prospects of standing crops are good. Harvesting of <i>aus</i> paddy is progressing. Transplanting and weeding of <i>aman</i> paddy are in progress. Condition and prospects of jute are good. Effects of weather are favourable to its growth. Some damage is apprehended by flood in Jangipur subdivision. Harvesting is progressing. Cattle-disease is reported from Burwan and Khargram thanas in Kandi subdivision. Fodder is sufficient. No large import or export.
	Lalbagh ...	1·01	5	5	
	Jangipur ...	1·45	4½	4½	
	Kandi ...	0·64	5	5 to 6½	
4	JESSORE ...	1·08	5	5	Harvesting of <i>aus</i> paddy and transplanting of <i>aman</i> paddy are progressing. Standing crops are doing well. Condition and prospects of jute are fair. Steeping and washing continue. Fodder is sufficient.
	Jhenidah ...	0·24	5	5½	
	Magura ...	0·60	5	5	
	Narail ...	1·32	4½	5	
	Bangaon ...	0·85	4½	5	

(n) Not reported.